



Montana Department of
ENVIRONMENTAL QUALITY

Brian Schweitzer, Governor

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

MAILED
7-3-07 JH

July 2, 2007

Ms. Merry Richards
86099 Highway 87
Lewistown, MT 59457

RE: MISTER M LANDFILL – GROUNDWATER MONITORING DATA TRANSMITTAL

Dear Ms. Richards:

Enclosed are the 2003-2006 groundwater monitoring analytical results for the Mister M Landfill, located adjacent to your property east of Lewistown. Mr. Patrick Crowley received a request from you during a telephone conversation on June 26, 2007 for the past 5 years of groundwater analytical data from the site. The groundwater was not sampled during 2001 and 2002. The Department commenced groundwater monitoring at the site in 2003.

The well on your property is scheduled to be sampled this week. The typical turnaround time for the laboratory is from 30 – 45 days. I will send you a copy of the sample results once I receive them from the laboratory.

In the meantime, if you have any questions, please do not hesitate to contact me by phone at 406-444-1808, by fax at 406-444-1374, or by email at mhendrickson@mt.gov.

Sincerely,

Mary Louise Hendrickson
Environmental Science Specialist
Solid Waste Regulatory Program
Phone: 406-444-1808; Fax: 406-444-1374
Email: mhendrickson@mt.gov

File: closed/Fergus Co/Mister M/Groundwater Monitoring

Path: G:\WUT\SWS\GWater\Responses\Fergus Co\Richards-rslts-trnsmttl.doc

Correspondence Slip

Project ID: _____

Requested: 6-26-07

Needed By: 6-27-07

Originator: mlb

Org(s)/Mail Code: _____

REVIEW
ROUTING

Name

Task

Initial/Date

Admin

Proof

Pat

↓

Rick

7/16-26

RPC, 6/26

RT, 7-2-2007

Mail original via:

☒ Regular ☐ Certified ☐ Registered ☐ FedEx

Fax to addressee at:

Proof Path: G:\WUT\ see letter

Special Instructions:

Mail copy of enclosures to CC's? Y N

Copies of enclosures for file needed? Y N

Copy of letter for file needed? Y N

1005 5-7-79

ANALYTICAL SUMMARY REPORT

June 11, 2012

MT-DEQ Solid Waste Section

PO Box 200901

Helena, MT 59620-0901

Workorder No.: H12050404

Project Name: Mister M Landfill

Energy Laboratories Inc Helena MT received the following 7 samples for MT-DEQ Solid Waste Section on 5/24/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
H12050404-001	MrM-MW-DW OW	05/22/12 18:20	05/24/12	Aqueous	Metals by ICP/ICPMS, Dissolved Conductivity Anions by Ion Chromatography pH 8260-Volatile Organic Comp, 40 CFR Part 258 App I
H12050404-002	MrM-MW-9R	05/23/12 8:20	05/24/12	Aqueous	Conductivity Anions by Ion Chromatography Nitrogen, Nitrate + Nitrite pH 8260-Volatile Organic Comp, 40 CFR Part 258 App I
H12050404-003	MrM-MW-11	05/23/12 11:10	05/24/12	Aqueous	Metals by ICP/ICPMS, Dissolved Conductivity Anions by Ion Chromatography Nitrogen, Nitrate + Nitrite pH 8260-Volatile Organic Comp, 40 CFR Part 258 App I
H12050404-004	MrM-MW-12	05/23/12 14:30	05/24/12	Aqueous	Same As Above
H12050404-005	MrM-MW-12 Dup	05/23/12 14:35	05/24/12	Aqueous	Same As Above
H12050404-006	MrM-MW-HW	05/23/12 16:05	05/24/12	Aqueous	Same As Above
H12050404-007	TB 5-16-12 EM HCL0256 2558	05/22/12 8:20	05/24/12	Trip Blank	8260-Volatile Organic Comp, 40 CFR Part 258 App I

The analyses presented in this report were performed by Energy Laboratories, Inc., 3161 E. Lyndale Ave., Helena, MT 59604, unless otherwise reported.

Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:

Wanda Johnson
Login Supervisor

Digitally signed by
Wanda Johnson
Date: 2012.06.13 09:28:12 -06:00

LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section
Project: Mister M Landfill
Lab ID: H12050404-001
Client Sample ID MrM-MW-DW
OW

Report Date: 06/11/12
Collection Date: 05/22/12 18:20
Date Received: 05/24/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.2	s.u.		0.10		A4500-H B	05/24/12 14:53 / cmm
Conductivity @ 25 C	740	umhos/cm		1.0		A2510 B	05/24/12 14:53 / cmm
INORGANICS							
Chloride	12	mg/L		1		E300.0	05/29/12 23:28 / zeg
Sulfate	32	mg/L		1		E300.0	05/29/12 23:28 / zeg
METALS, DISSOLVED							
Iron	1.62	mg/L		0.03		SW6020	05/30/12 19:45 / dck
Zinc	0.90	mg/L		0.01		SW6020	05/30/12 19:45 / dck
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/01/12 20:51 / abb
Acrylonitrile	ND	ug/L		20		SW8260B	06/01/12 20:51 / abb
Benzene	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Bromoform	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Bromomethane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Chloroethane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Chloroform	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Chloromethane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Dibromomethane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
cis-1,2-Dichloroethene	8.9	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
2-Hexanone	ND	ug/L		20		SW8260B	06/01/12 20:51 / abb

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section
Project: Mister M Landfill
Lab ID: H12050404-001
Client Sample ID MrM-MW-DW
OW

Report Date: 06/11/12
Collection Date: 05/22/12 18:20
Date Received: 05/24/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Iodomethane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/01/12 20:51 / abb
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/01/12 20:51 / abb
Methylene chloride	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Styrene	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Toluene	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Trichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Vinyl chloride	0.22	ug/L	J	1.0		SW8260B	06/01/12 20:51 / abb
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
o-Xylene	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/01/12 20:51 / abb
Surr: 1,2-Dichloroethane-d4	105	%REC		70-130		SW8260B	06/01/12 20:51 / abb
Surr: Dibromofluoromethane	79.0	%REC		70-130		SW8260B	06/01/12 20:51 / abb
Surr: p-Bromofluorobenzene	92.0	%REC		70-130		SW8260B	06/01/12 20:51 / abb
Surr: Toluene-d8	108	%REC		70-130		SW8260B	06/01/12 20:51 / abb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section
Project: Mister M Landfill
Lab ID: H12050404-002
Client Sample ID MrM-MW-9R

Report Date: 06/11/12
Collection Date: 05/23/12 08:20
Date Received: 05/24/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.0	s.u.		0.10		A4500-H B	05/24/12 14:56 / cmm
Conductivity @ 25 C	1000	umhos/cm		1.0		A2510 B	05/24/12 14:56 / cmm
INORGANICS							
Chloride	30	mg/L		1		E300.0	05/29/12 23:41 / zeg
Sulfate	55	mg/L	D	2		E300.0	05/29/12 23:41 / zeg
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	2.49	mg/L	D	0.02		E353.2	06/05/12 14:10 / jaw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/01/12 21:21 / abb
Acrylonitrile	ND	ug/L		20		SW8260B	06/01/12 21:21 / abb
Benzene	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Bromoform	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Bromomethane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Carbon disulfide	0.59	ug/L	J	1.0		SW8260B	06/01/12 21:21 / abb
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Chloroethane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Chloroform	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Chloromethane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Dibromomethane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
1,1-Dichloroethane	0.44	ug/L	J	1.0		SW8260B	06/01/12 21:21 / abb
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
cis-1,2-Dichloroethene	11	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
2-Hexanone	ND	ug/L		20		SW8260B	06/01/12 21:21 / abb
Iodomethane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section
Project: Mister M Landfill
Lab ID: H12050404-002
Client Sample ID: MrM-MW-9R

Report Date: 06/11/12
Collection Date: 05/23/12 08:20
Date Received: 05/24/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/01/12 21:21 / abb
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/01/12 21:21 / abb
Methylene chloride	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Styrene	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Tetrachloroethene	0.63	ug/L	J	1.0		SW8260B	06/01/12 21:21 / abb
Toluene	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Trichloroethene	0.46	ug/L	J	1.0		SW8260B	06/01/12 21:21 / abb
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
o-Xylene	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/01/12 21:21 / abb
Surr: 1,2-Dichloroethane-d4	104	%REC		70-130		SW8260B	06/01/12 21:21 / abb
Surr: Dibromofluoromethane	83.0	%REC		70-130		SW8260B	06/01/12 21:21 / abb
Surr: p-Bromofluorobenzene	87.0	%REC		70-130		SW8260B	06/01/12 21:21 / abb
Surr: Toluene-d8	112	%REC		70-130		SW8260B	06/01/12 21:21 / abb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section
Project: Mister M Landfill
Lab ID: H12050404-003
Client Sample ID MrM-MW-11

Report Date: 06/11/12
Collection Date: 05/23/12 11:10
Date Received: 05/24/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.3	s.u.		0.10		A4500-H B	05/24/12 14:58 / cmm
Conductivity @ 25 C	650	umhos/cm		1.0		A2510 B	05/24/12 14:58 / cmm
INORGANICS							
Chloride	3	mg/L		1		E300.0	05/29/12 23:54 / zeg
Sulfate	41	mg/L		1		E300.0	05/29/12 23:54 / zeg
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	05/25/12 15:13 / reh
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	05/30/12 20:04 / dck
Arsenic	ND	mg/L		0.005		SW6020	05/30/12 20:04 / dck
Barium	ND	mg/L		0.1		SW6020	05/30/12 20:04 / dck
Beryllium	ND	mg/L		0.001		SW6020	05/30/12 20:04 / dck
Cadmium	ND	mg/L		0.001		SW6020	05/30/12 20:04 / dck
Chromium	ND	mg/L		0.01		SW6020	05/30/12 20:04 / dck
Cobalt	ND	mg/L		0.01		SW6020	05/30/12 20:04 / dck
Copper	ND	mg/L		0.01		SW6020	05/30/12 20:04 / dck
Iron	0.22	mg/L		0.03		SW6020	05/30/12 20:04 / dck
Lead	ND	mg/L		0.01		SW6020	05/30/12 20:04 / dck
Nickel	ND	mg/L		0.01		SW6020	05/30/12 20:04 / dck
Selenium	ND	mg/L		0.005		SW6020	05/30/12 20:04 / dck
Silver	ND	mg/L		0.005		SW6020	05/30/12 20:04 / dck
Thallium	ND	mg/L		0.005		SW6020	05/30/12 20:04 / dck
Vanadium	ND	mg/L		0.1		SW6020	05/30/12 20:04 / dck
Zinc	ND	mg/L		0.01		SW6020	05/30/12 20:04 / dck
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/01/12 21:52 / abb
Acrylonitrile	ND	ug/L		20		SW8260B	06/01/12 21:52 / abb
Benzene	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Bromoform	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Bromomethane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Carbon disulfide	0.26	ug/L	J	1.0		SW8260B	06/01/12 21:52 / abb
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Chloroethane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Chloroform	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section
Project: Mister M Landfill
Lab ID: H12050404-003
Client Sample ID: MrM-MW-11

Report Date: 06/11/12
Collection Date: 05/23/12 11:10
Date Received: 05/24/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Chloromethane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Dibromomethane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
2-Hexanone	ND	ug/L		20		SW8260B	06/01/12 21:52 / abb
Iodomethane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/01/12 21:52 / abb
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/01/12 21:52 / abb
Methylene chloride	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Styrene	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Toluene	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Trichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
o-Xylene	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/01/12 21:52 / abb
Surr: 1,2-Dichloroethane-d4	104	%REC		70-130		SW8260B	06/01/12 21:52 / abb
Surr: Dibromofluoromethane	84.0	%REC		70-130		SW8260B	06/01/12 21:52 / abb
Surr: p-Bromofluorobenzene	92.0	%REC		70-130		SW8260B	06/01/12 21:52 / abb
Surr: Toluene-d8	105	%REC		70-130		SW8260B	06/01/12 21:52 / abb

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section
Project: Mister M Landfill
Lab ID: H12050404-004
Client Sample ID: MrM-MW-12

Report Date: 06/11/12
Collection Date: 05/23/12 14:30
Date Received: 05/24/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.1	s.u.		0.10		A4500-H B	05/24/12 15:01 / cmm
Conductivity @ 25 C	720	umhos/cm		1.0		A2510 B	05/24/12 15:01 / cmm
INORGANICS							
Chloride	4	mg/L		1		E300.0	05/30/12 00:06 / zeg
Sulfate	32	mg/L		1		E300.0	05/30/12 00:06 / zeg
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	05/25/12 15:14 / reh
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	05/30/12 20:08 / dck
Arsenic	ND	mg/L		0.005		SW6020	05/30/12 20:08 / dck
Barium	ND	mg/L		0.1		SW6020	05/30/12 20:08 / dck
Beryllium	ND	mg/L		0.001		SW6020	05/30/12 20:08 / dck
Cadmium	ND	mg/L		0.001		SW6020	05/30/12 20:08 / dck
Chromium	ND	mg/L		0.01		SW6020	05/30/12 20:08 / dck
Cobalt	ND	mg/L		0.01		SW6020	05/30/12 20:08 / dck
Copper	ND	mg/L		0.01		SW6020	05/30/12 20:08 / dck
Iron	0.63	mg/L		0.03		SW6020	05/30/12 20:08 / dck
Lead	ND	mg/L		0.01		SW6020	05/30/12 20:08 / dck
Nickel	ND	mg/L		0.01		SW6020	05/30/12 20:08 / dck
Selenium	ND	mg/L		0.005		SW6020	05/30/12 20:08 / dck
Silver	ND	mg/L		0.005		SW6020	05/30/12 20:08 / dck
Thallium	ND	mg/L		0.005		SW6020	05/30/12 20:08 / dck
Vanadium	ND	mg/L		0.1		SW6020	05/30/12 20:08 / dck
Zinc	ND	mg/L		0.01		SW6020	05/30/12 20:08 / dck
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/01/12 22:22 / abb
Acrylonitrile	ND	ug/L		20		SW8260B	06/01/12 22:22 / abb
Benzene	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Bromoform	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Bromomethane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Carbon disulfide	0.17	ug/L	J	1.0		SW8260B	06/01/12 22:22 / abb
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Chloroethane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Chloroform	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section
Project: Mister M Landfill
Lab ID: H12050404-004
Client Sample ID MrM-MW-12

Report Date: 06/11/12
Collection Date: 05/23/12 14:30
Date Received: 05/24/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Chloromethane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Dibromomethane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
2-Hexanone	ND	ug/L		20		SW8260B	06/01/12 22:22 / abb
Iodomethane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/01/12 22:22 / abb
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/01/12 22:22 / abb
Methylene chloride	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Styrene	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Toluene	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Trichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
o-Xylene	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/01/12 22:22 / abb
Surr: 1,2-Dichloroethane-d4	103	%REC		70-130		SW8260B	06/01/12 22:22 / abb
Surr: Dibromofluoromethane	85.0	%REC		70-130		SW8260B	06/01/12 22:22 / abb
Surr: p-Bromofluorobenzene	90.0	%REC		70-130		SW8260B	06/01/12 22:22 / abb
Surr: Toluene-d8	111	%REC		70-130		SW8260B	06/01/12 22:22 / abb

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section
Project: Mister M Landfill
Lab ID: H12050404-005
Client Sample ID: MrM-MW-12 Dup

Report Date: 06/11/12
Collection Date: 05/23/12 14:35
Date Received: 05/24/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.1	s.u.		0.10		A4500-H B	05/24/12 15:03 / cmm
Conductivity @ 25 C	720	umhos/cm		1.0		A2510 B	05/24/12 15:03 / cmm
INORGANICS							
Chloride	4	mg/L		1		E300.0	05/30/12 00:44 / zeg
Sulfate	32	mg/L		1		E300.0	05/30/12 00:44 / zeg
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	05/25/12 15:15 / reh
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	05/30/12 20:13 / dck
Arsenic	ND	mg/L		0.005		SW6020	05/30/12 20:13 / dck
Barium	ND	mg/L		0.1		SW6020	05/30/12 20:13 / dck
Beryllium	ND	mg/L		0.001		SW6020	05/30/12 20:13 / dck
Cadmium	ND	mg/L		0.001		SW6020	05/30/12 20:13 / dck
Chromium	ND	mg/L		0.01		SW6020	05/30/12 20:13 / dck
Cobalt	ND	mg/L		0.01		SW6020	05/30/12 20:13 / dck
Copper	ND	mg/L		0.01		SW6020	05/30/12 20:13 / dck
Iron	0.63	mg/L		0.03		SW6020	05/30/12 20:13 / dck
Lead	ND	mg/L		0.01		SW6020	05/30/12 20:13 / dck
Nickel	ND	mg/L		0.01		SW6020	05/30/12 20:13 / dck
Selenium	ND	mg/L		0.005		SW6020	05/30/12 20:13 / dck
Silver	ND	mg/L		0.005		SW6020	05/30/12 20:13 / dck
Thallium	ND	mg/L		0.005		SW6020	05/30/12 20:13 / dck
Vanadium	ND	mg/L		0.1		SW6020	05/30/12 20:13 / dck
Zinc	ND	mg/L		0.01		SW6020	05/30/12 20:13 / dck
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/01/12 22:53 / abb
Acrylonitrile	ND	ug/L		20		SW8260B	06/01/12 22:53 / abb
Benzene	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Bromoform	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Bromomethane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Chloroethane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Chloroform	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section
Project: Mister M Landfill
Lab ID: H12050404-005
Client Sample ID: MrM-MW-12 Dup

Report Date: 06/11/12
Collection Date: 05/23/12 14:35
Date Received: 05/24/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Chloromethane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Dibromomethane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
2-Hexanone	ND	ug/L		20		SW8260B	06/01/12 22:53 / abb
Iodomethane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/01/12 22:53 / abb
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/01/12 22:53 / abb
Methylene chloride	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Styrene	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Toluene	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Trichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
o-Xylene	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/01/12 22:53 / abb
Surr: 1,2-Dichloroethane-d4	101	%REC		70-130		SW8260B	06/01/12 22:53 / abb
Surr: Dibromofluoromethane	87.0	%REC		70-130		SW8260B	06/01/12 22:53 / abb
Surr: p-Bromofluorobenzene	89.0	%REC		70-130		SW8260B	06/01/12 22:53 / abb
Surr: Toluene-d8	110	%REC		70-130		SW8260B	06/01/12 22:53 / abb

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section
Project: Mister M Landfill
Lab ID: H12050404-006
Client Sample ID: MrM-MW-HW

Report Date: 06/11/12
Collection Date: 05/23/12 16:05
Date Received: 05/24/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.3	s.u.		0.10		A4500-H B	05/24/12 15:05 / cmm
Conductivity @ 25 C	800	umhos/cm		1.0		A2510 B	05/24/12 15:05 / cmm
INORGANICS							
Chloride	8	mg/L		1		E300.0	05/30/12 00:57 / zeg
Sulfate	31	mg/L		1		E300.0	05/30/12 00:57 / zeg
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.05	mg/L		0.01		E353.2	05/25/12 15:16 / reh
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	05/30/12 20:18 / dck
Arsenic	ND	mg/L		0.005		SW6020	05/30/12 20:18 / dck
Barium	ND	mg/L		0.1		SW6020	05/30/12 20:18 / dck
Beryllium	ND	mg/L		0.001		SW6020	05/30/12 20:18 / dck
Cadmium	ND	mg/L		0.001		SW6020	05/30/12 20:18 / dck
Chromium	ND	mg/L		0.01		SW6020	05/30/12 20:18 / dck
Cobalt	ND	mg/L		0.01		SW6020	05/30/12 20:18 / dck
Copper	ND	mg/L		0.01		SW6020	05/30/12 20:18 / dck
Iron	ND	mg/L		0.03		SW6020	05/30/12 20:18 / dck
Lead	ND	mg/L		0.01		SW6020	05/30/12 20:18 / dck
Nickel	ND	mg/L		0.01		SW6020	05/30/12 20:18 / dck
Selenium	ND	mg/L		0.005		SW6020	05/30/12 20:18 / dck
Silver	ND	mg/L		0.005		SW6020	05/30/12 20:18 / dck
Thallium	ND	mg/L		0.005		SW6020	05/30/12 20:18 / dck
Vanadium	ND	mg/L		0.1		SW6020	05/30/12 20:18 / dck
Zinc	0.04	mg/L		0.01		SW6020	05/30/12 20:18 / dck
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/01/12 23:23 / abb
Acrylonitrile	ND	ug/L		20		SW8260B	06/01/12 23:23 / abb
Benzene	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Bromoform	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Bromomethane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Chloroethane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Chloroform	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section
Project: Mister M Landfill
Lab ID: H12050404-006
Client Sample ID MrM-MW-HW

Report Date: 06/11/12
Collection Date: 05/23/12 16:05
Date Received: 05/24/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Chloromethane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Dibromomethane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
2-Hexanone	ND	ug/L		20		SW8260B	06/01/12 23:23 / abb
Iodomethane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/01/12 23:23 / abb
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/01/12 23:23 / abb
Methylene chloride	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Styrene	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Toluene	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Trichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
o-Xylene	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/01/12 23:23 / abb
Surr: 1,2-Dichloroethane-d4	101	%REC		70-130		SW8260B	06/01/12 23:23 / abb
Surr: Dibromofluoromethane	86.0	%REC		70-130		SW8260B	06/01/12 23:23 / abb
Surr: p-Bromofluorobenzene	93.0	%REC		70-130		SW8260B	06/01/12 23:23 / abb
Surr: Toluene-d8	110	%REC		70-130		SW8260B	06/01/12 23:23 / abb

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section
Project: Mister M Landfill
Lab ID: H12050404-007
Client Sample ID TB 5-16-12 EM HCL0256 2558

Report Date: 06/11/12
Collection Date: 05/22/12 08:20
Date Received: 05/24/12
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/01/12 20:21 / abb
Acrylonitrile	ND	ug/L		20		SW8260B	06/01/12 20:21 / abb
Benzene	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Bromoform	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Bromomethane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Chloroethane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Chloroform	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Chloromethane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Dibromomethane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
2-Hexanone	ND	ug/L		20		SW8260B	06/01/12 20:21 / abb
Iodomethane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/01/12 20:21 / abb
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/01/12 20:21 / abb
Methylene chloride	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Styrene	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Toluene	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Trichloroethene	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section
Project: Mister M Landfill
Lab ID: H12050404-007
Client Sample ID TB 5-16-12 EM HCL0256 2558

Report Date: 06/11/12
Collection Date: 05/22/12 08:20
Date Received: 05/24/12
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
o-Xylene	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/01/12 20:21 / abb
Surr: 1,2-Dichloroethane-d4	100	%REC		70-130		SW8260B	06/01/12 20:21 / abb
Surr: Dibromofluoromethane	79.0	%REC		70-130		SW8260B	06/01/12 20:21 / abb
Surr: p-Bromofluorobenzene	90.0	%REC		70-130		SW8260B	06/01/12 20:21 / abb
Surr: Toluene-d8	105	%REC		70-130		SW8260B	06/01/12 20:21 / abb

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section

Project: Mister M Landfill

Report Date: 06/11/12

Work Order: H12050404

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B										
Analytical Run: PHSC_101-H_120524A										
Sample ID: SC 2ND 1000	Initial Calibration Verification Standard									
Conductivity @ 25 C		1010	umhos/cm	1.0	101	90	110			05/24/12 08:52
Sample ID: CCV - SC 1413										
Continuing Calibration Verification Standard										
Conductivity @ 25 C		1440	umhos/cm	1.0	102	90	110			05/24/12 13:06
Method: A2510 B										
Batch: R80173										
Sample ID: SC 150	Initial Calibration Verification Standard									
Conductivity @ 25 C		147	umhos/cm	1.0	98	90	110			05/24/12 08:44
Sample ID: SC 5000										
Initial Calibration Verification Standard										
Conductivity @ 25 C		5070	umhos/cm	1.0	101	90	110			05/24/12 08:47
Sample ID: SC 20000										
Initial Calibration Verification Standard										
Conductivity @ 25 C		20200	umhos/cm	1.0	101	90	110			05/24/12 08:49
Sample ID: H12050404-006ADUP										
Sample Duplicate										
Conductivity @ 25 C		800	umhos/cm	1.0						05/24/12 15:08

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section

Report Date: 06/11/12

Project: Mister M Landfill

Work Order: H12050404

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B										
Analytical Run: PHSC_101-H_120524A										
Sample ID: pH 7	Initial Calibration Verification Standard									
pH		6.98	s.u.	0.10	100	98	102			05/24/12 08:42
Sample ID: CCV - pH 7	Continuing Calibration Verification Standard									
pH		7.00	s.u.	0.10	100	98	102			05/24/12 13:03
Method: A4500-H B										
Batch: R80173										
Sample ID: H12050404-006ADUP	Sample Duplicate									
pH		7.3	s.u.	0.10						Run: PHSC_101-H_120524A 05/24/12 15:08

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section

Report Date: 06/11/12

Project: Mister M Landfill

Work Order: H12050404

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0										Analytical Run: IC102-H_120529A
Sample ID: ICV052912-12	2	Initial Calibration Verification Standard								05/29/12 16:07
Chloride		100	mg/L	1.0	103	90	110			
Sulfate		410	mg/L	1.0	102	90	110			
Sample ID: CCV052912-44	2	Continuing Calibration Verification Standard								05/29/12 22:51
Chloride		100	mg/L	1.0	104	90	110			
Sulfate		410	mg/L	1.0	103	90	110			
Method: E300.0										Batch: R80301
Sample ID: ICB052912-13	2	Method Blank								Run: IC102-H_120529A 05/29/12 16:20
Chloride		ND	mg/L	0.03						
Sulfate		ND	mg/L	0.1						
Sample ID: LFB052912-14	2	Laboratory Fortified Blank								Run: IC102-H_120529A 05/29/12 16:33
Chloride		50	mg/L	1.0	101	90	110			
Sulfate		200	mg/L	1.1	98	90	110			
Sample ID: H12050404-004AMS	2	Sample Matrix Spike								Run: IC102-H_120529A 05/30/12 00:19
Chloride		58	mg/L	1.0	109	90	110			
Sulfate		250	mg/L	1.1	108	90	110			
Sample ID: H12050404-004AMSD	2	Sample Matrix Spike Duplicate								Run: IC102-H_120529A 05/30/12 00:31
Chloride		58	mg/L	1.0	109	90	110	0.0	20	
Sulfate		250	mg/L	1.1	109	90	110	0.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section

Report Date: 06/11/12

Project: Mister M Landfill

Work Order: H12050404

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Analytical Run: FIA203-HE_120525A
Sample ID: ICV		Initial Calibration Verification Standard								05/25/12 14:21
Nitrogen, Nitrate+Nitrite as N		1.01	mg/L	0.010	101	90	110			
Sample ID: ICB		Initial Calibration Blank, Instrument Blank								05/25/12 14:26
Nitrogen, Nitrate+Nitrite as N		-0.00397	mg/L	0.010		0	0			
Sample ID: CCV		Continuing Calibration Verification Standard								05/25/12 15:04
Nitrogen, Nitrate+Nitrite as N		0.488	mg/L	0.010	98	90	110			
Method: E353.2										Batch: R80247
Sample ID: LFB		Laboratory Fortified Blank								05/25/12 14:23
Nitrogen, Nitrate+Nitrite as N		1.02	mg/L	0.010	102	90	110			
Sample ID: MBLK		Method Blank								05/25/12 14:27
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.002						
Sample ID: LCS		Laboratory Control Sample								05/25/12 14:29
Nitrogen, Nitrate+Nitrite as N		6.60	mg/L	0.050	102	90	110			
Sample ID: H12050387-001CMS		Sample Matrix Spike								05/25/12 15:07
Nitrogen, Nitrate+Nitrite as N		1.25	mg/L	0.010	99	90	110			
Sample ID: H12050387-001CMSD		Sample Matrix Spike Duplicate								05/25/12 15:08
Nitrogen, Nitrate+Nitrite as N		1.28	mg/L	0.010	101	90	110	1.9	20	
Method: E353.2										Analytical Run: FIA203-HE_120605A
Sample ID: ICV		Initial Calibration Verification Standard								06/05/12 14:03
Nitrogen, Nitrate+Nitrite as N		1.01	mg/L	0.010	101	90	110			
Sample ID: CCV		Continuing Calibration Verification Standard								06/05/12 14:05
Nitrogen, Nitrate+Nitrite as N		0.497	mg/L	0.010	99	90	110			
Sample ID: ICB		Initial Calibration Blank, Instrument Blank								06/05/12 14:08
Nitrogen, Nitrate+Nitrite as N		-0.00673	mg/L	0.010		0	0			
Method: E353.2										Batch: R80446
Sample ID: LFB		Laboratory Fortified Blank								06/05/12 14:04
Nitrogen, Nitrate+Nitrite as N		0.964	mg/L	0.010	96	90	110			
Sample ID: MBLK		Method Blank								06/05/12 14:09
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.002						
Sample ID: H12060022-001GMS		Sample Matrix Spike								06/05/12 14:14
Nitrogen, Nitrate+Nitrite as N		0.957	mg/L	0.010	96	90	110			
Sample ID: H12060022-001GMSD		Sample Matrix Spike Duplicate								06/05/12 14:15
Nitrogen, Nitrate+Nitrite as N		0.963	mg/L	0.010	96	90	110	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section

Project: Mister M Landfill

Report Date: 06/11/12

Work Order: H12050404

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Analytical Run: ICPMS204-B_120530B		
Sample ID: ICV STD		16 Initial Calibration Verification Standard								05/30/12 12:00
Antimony		0.0492	mg/L	0.0010	98	90	110			
Arsenic		0.0510	mg/L	0.0010	102	90	110			
Barium		0.0497	mg/L	0.0010	99	90	110			
Beryllium		0.0250	mg/L	0.0010	100	90	110			
Cadmium		0.0261	mg/L	0.0010	104	90	110			
Chromium		0.0518	mg/L	0.0010	104	90	110			
Cobalt		0.0509	mg/L	0.0010	102	90	110			
Copper		0.0523	mg/L	0.0010	105	90	110			
Iron		0.262	mg/L	0.0010	105	90	110			
Lead		0.0498	mg/L	0.0010	100	90	110			
Nickel		0.0520	mg/L	0.0010	104	90	110			
Selenium		0.0500	mg/L	0.0010	100	90	110			
Silver		0.0242	mg/L	0.0010	97	90	110			
Thallium		0.0503	mg/L	0.0010	101	90	110			
Vanadium		0.0510	mg/L	0.0010	102	90	110			
Zinc		0.0533	mg/L	0.0010	107	90	110			

Method: SW6020								Batch: R80332		
Sample ID: ICB		16 Method Blank								Run: ICPMS204-B_120530B 05/30/12 15:16
Antimony		ND	mg/L	7E-06						
Arsenic		ND	mg/L	3E-05						
Barium		ND	mg/L	3E-05						
Beryllium		ND	mg/L	2E-05						
Cadmium		ND	mg/L	1E-05						
Chromium		ND	mg/L	6E-05						
Cobalt		ND	mg/L	9E-06						
Copper		ND	mg/L	3E-05						
Iron		0.0006	mg/L	0.0002						
Lead		ND	mg/L	1.0E-05						
Nickel		0.0006	mg/L	5E-05						
Selenium		5E-05	mg/L	4E-05						
Silver		ND	mg/L	3E-05						
Thallium		ND	mg/L	7E-06						
Vanadium		2E-05	mg/L	1E-05						
Zinc		0.0007	mg/L	0.0003						

Sample ID: LFB		16 Laboratory Fortified Blank								Run: ICPMS204-B_120530B 05/30/12 15:21
Antimony		0.0487	mg/L	0.0010	97	80	120			
Arsenic		0.0485	mg/L	0.0010	97	80	120			
Barium		0.0485	mg/L	0.0010	97	80	120			
Beryllium		0.0483	mg/L	0.0010	97	80	120			
Cadmium		0.0472	mg/L	0.0010	94	80	120			
Chromium		0.0477	mg/L	0.0010	95	80	120			
Cobalt		0.0475	mg/L	0.0010	95	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section

Report Date: 06/11/12

Project: Mister M Landfill

Work Order: H12050404

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: R80332
Sample ID: LFB	16	Laboratory Fortified Blank		Run: ICPMS204-B_120530B				05/30/12 15:21		
Copper		0.0471	mg/L	0.0010	94	80	120			
Iron		4.73	mg/L	0.0010	95	80	120			
Lead		0.0484	mg/L	0.0010	97	80	120			
Nickel		0.0477	mg/L	0.0010	94	80	120			
Selenium		0.0481	mg/L	0.0010	96	80	120			
Silver		0.0198	mg/L	0.0010	99	80	120			
Thallium		0.0479	mg/L	0.0010	96	80	120			
Vanadium		0.0480	mg/L	0.0010	96	80	120			
Zinc		0.0488	mg/L	0.0010	96	80	120			
Sample ID: H12050404-001BMS	16	Sample Matrix Spike		Run: ICPMS204-B_120530B				05/30/12 19:50		
Antimony		0.0490	mg/L	0.0010	98	75	125			
Arsenic		0.0533	mg/L	0.0010	102	75	125			
Barium		0.112	mg/L	0.050	93	75	125			
Beryllium		0.0486	mg/L	0.0010	97	75	125			
Cadmium		0.0463	mg/L	0.0010	93	75	125			
Chromium		0.0497	mg/L	0.0050	99	75	125			
Cobalt		0.0499	mg/L	0.0050	92	75	125			
Copper		0.0477	mg/L	0.0050	95	75	125			
Iron		6.39	mg/L	0.030	95	75	125			
Lead		0.0495	mg/L	0.0010	99	75	125			
Nickel		0.0602	mg/L	0.0050	93	75	125			
Selenium		0.0538	mg/L	0.0010	107	75	125			
Silver		0.0184	mg/L	0.0010	92	75	125			
Thallium		0.0490	mg/L	0.00050	98	75	125			
Vanadium		0.0497	mg/L	0.010	99	75	125			
Zinc		0.894	mg/L	0.010		75	125			A
Sample ID: H12050404-001BMSD	16	Sample Matrix Spike Duplicate		Run: ICPMS204-B_120530B				05/30/12 19:54		
Antimony		0.0485	mg/L	0.0010	97	75	125	1.1	20	
Arsenic		0.0531	mg/L	0.0010	101	75	125	0.5	20	
Barium		0.112	mg/L	0.050	92	75	125	0.4	20	
Beryllium		0.0482	mg/L	0.0010	96	75	125	0.8	20	
Cadmium		0.0458	mg/L	0.0010	92	75	125	1.1	20	
Chromium		0.0488	mg/L	0.0050	98	75	125	1.9	20	
Cobalt		0.0492	mg/L	0.0050	91	75	125	1.3	20	
Copper		0.0475	mg/L	0.0050	95	75	125	0.3	20	
Iron		6.43	mg/L	0.030	96	75	125	0.6	20	
Lead		0.0491	mg/L	0.0010	98	75	125	0.9	20	
Nickel		0.0596	mg/L	0.0050	92	75	125	1.0	20	
Selenium		0.0542	mg/L	0.0010	108	75	125	0.7	20	
Silver		0.0186	mg/L	0.0010	93	75	125	0.6	20	
Thallium		0.0485	mg/L	0.00050	97	75	125	1.1	20	
Vanadium		0.0495	mg/L	0.010	99	75	125	0.3	20	
Zinc		0.891	mg/L	0.010		75	125	0.4	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section

Report Date: 06/11/12

Project: Mister M Landfill

Work Order: H12050404

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: R80332
Sample ID: H12050404-001BMSD 16 Sample Matrix Spike Duplicate										Run: ICPMS204-B_120530B 05/30/12 19:54
Asbestos	251	0.000	mg/L	0.000	100	0.000	0.000			
Barium	251	0.000	mg/L	0.000	100	0.000	0.000			
Beryllium	251	0.000	mg/L	0.000	100	0.000	0.000			
Bismuth	251	0.000	mg/L	0.000	100	0.000	0.000			
Boron	251	0.000	mg/L	0.000	100	0.000	0.000			
Calcium	251	0.000	mg/L	0.000	100	0.000	0.000			
Chromium	251	0.000	mg/L	0.000	100	0.000	0.000			
Cobalt	251	0.000	mg/L	0.000	100	0.000	0.000			
Copper	251	0.000	mg/L	0.000	100	0.000	0.000			
Iron	251	0.000	mg/L	0.000	100	0.000	0.000			
Lead	251	0.000	mg/L	0.000	100	0.000	0.000			
Manganese	251	0.000	mg/L	0.000	100	0.000	0.000			
Mercury	251	0.000	mg/L	0.000	100	0.000	0.000			
Molybdenum	251	0.000	mg/L	0.000	100	0.000	0.000			
Nickel	251	0.000	mg/L	0.000	100	0.000	0.000			
Selenium	251	0.000	mg/L	0.000	100	0.000	0.000			
Silver	251	0.000	mg/L	0.000	100	0.000	0.000			
Sodium	251	0.000	mg/L	0.000	100	0.000	0.000			
Strontium	251	0.000	mg/L	0.000	100	0.000	0.000			
Thallium	251	0.000	mg/L	0.000	100	0.000	0.000			
Vanadium	251	0.000	mg/L	0.000	100	0.000	0.000			
Zinc	251	0.000	mg/L	0.000	100	0.000	0.000			
Asbestos										
Asbestos	251	0.000	mg/L	0.000	100	0.000	0.000			
Barium	251	0.000	mg/L	0.000	100	0.000	0.000			
Beryllium	251	0.000	mg/L	0.000	100	0.000	0.000			
Bismuth	251	0.000	mg/L	0.000	100	0.000	0.000			
Boron	251	0.000	mg/L	0.000	100	0.000	0.000			
Calcium	251	0.000	mg/L	0.000	100	0.000	0.000			
Chromium	251	0.000	mg/L	0.000	100	0.000	0.000			
Cobalt	251	0.000	mg/L	0.000	100	0.000	0.000			
Copper	251	0.000	mg/L	0.000	100	0.000	0.000			
Iron	251	0.000	mg/L	0.000	100	0.000	0.000			
Lead	251	0.000	mg/L	0.000	100	0.000	0.000			
Manganese	251	0.000	mg/L	0.000	100	0.000	0.000			
Mercury	251	0.000	mg/L	0.000	100	0.000	0.000			
Molybdenum	251	0.000	mg/L	0.000	100	0.000	0.000			
Nickel	251	0.000	mg/L	0.000	100	0.000	0.000			
Selenium	251	0.000	mg/L	0.000	100	0.000	0.000			
Silver	251	0.000	mg/L	0.000	100	0.000	0.000			
Sodium	251	0.000	mg/L	0.000	100	0.000	0.000			
Strontium	251	0.000	mg/L	0.000	100	0.000	0.000			
Thallium	251	0.000	mg/L	0.000	100	0.000	0.000			
Vanadium	251	0.000	mg/L	0.000	100	0.000	0.000			
Zinc	251	0.000	mg/L	0.000	100	0.000	0.000			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section

Report Date: 06/11/12

Project: Mister M Landfill

Work Order: H12050404

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Analytical Run: R80375
Sample ID: CCV060112B										06/01/12 17:56
54 Continuing Calibration Verification Standard										
Acetone		40.8	ug/L	20	82	70	130			
Acrylonitrile		53.2	ug/L	20	106	70	130			
Benzene		4.04	ug/L	1.0	81	70	130			
Bromochloromethane		4.52	ug/L	1.0	90	70	130			
Bromodichloromethane		5.44	ug/L	1.0	109	70	130			
Bromoform		4.80	ug/L	1.0	96	70	130			
Bromomethane		4.96	ug/L	1.0	99	70	130			
Carbon disulfide		5.68	ug/L	1.0	114	70	130			
Carbon tetrachloride		4.60	ug/L	1.0	92	70	130			
Chlorobenzene		4.76	ug/L	1.0	95	70	130			
Chlorodibromomethane		4.88	ug/L	1.0	98	70	130			
Chloroethane		6.44	ug/L	1.0	129	70	130			
Chloroform		4.52	ug/L	1.0	90	80	120			
Chloromethane		4.72	ug/L	1.0	94	70	130			
1,2-Dibromo-3-chloropropane		4.40	ug/L	1.0	88	70	130			
1,2-Dibromoethane		4.92	ug/L	1.0	98	70	130			
Dibromomethane		4.96	ug/L	1.0	99	70	130			
1,2-Dichlorobenzene		4.88	ug/L	1.0	98	70	130			
1,4-Dichlorobenzene		5.16	ug/L	1.0	103	70	130			
trans-1,4-Dichloro-2-butene		4.72	ug/L	1.0	94	70	130			
Dichlorodifluoromethane		5.48	ug/L	1.0	110	70	130			
1,1-Dichloroethane		4.68	ug/L	1.0	94	70	130			
1,2-Dichloroethane		4.72	ug/L	1.0	94	70	130			
1,1-Dichloroethene		5.96	ug/L	1.0	119	80	120			
cis-1,2-Dichloroethene		5.12	ug/L	1.0	102	70	130			
trans-1,2-Dichloroethene		5.36	ug/L	1.0	107	70	130			
1,2-Dichloropropane		5.76	ug/L	1.0	115	80	120			
cis-1,3-Dichloropropene		5.08	ug/L	1.0	102	70	130			
trans-1,3-Dichloropropene		5.16	ug/L	1.0	103	70	130			
Ethylbenzene		5.00	ug/L	1.0	100	80	120			
2-Hexanone		45.6	ug/L	20	91	70	130			
Iodomethane		5.68	ug/L	1.0	114	70	130			
Methyl ethyl ketone		49.2	ug/L	20	98	70	130			
Methyl isobutyl ketone		46.8	ug/L	20	94	70	130			
Methylene chloride		5.44	ug/L	1.0	109	70	130			
Styrene		4.76	ug/L	1.0	95	70	130			
1,1,1,2-Tetrachloroethane		4.52	ug/L	1.0	90	70	130			
1,1,2,2-Tetrachloroethane		4.40	ug/L	1.0	88	70	130			
Tetrachloroethene		5.28	ug/L	1.0	106	70	130			
Toluene		5.24	ug/L	1.0	105	80	120			
1,1,1-Trichloroethane		4.36	ug/L	1.0	87	70	130			
1,1,2-Trichloroethane		4.92	ug/L	1.0	98	70	130			
Trichloroethene		5.48	ug/L	1.0	110	70	130			
Trichlorofluoromethane		5.96	ug/L	1.0	119	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section

Report Date: 06/11/12

Project: Mister M Landfill

Work Order: H12050404

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Analytical Run: R80375
Sample ID: CCV060112B										06/01/12 17:56
54 Continuing Calibration Verification Standard										
1,2,3-Trichloropropane		4.44	ug/L	1.0	89	70	130			
Vinyl acetate		5.32	ug/L	1.0	106	70	130			
Vinyl chloride		5.60	ug/L	1.0	112	80	120			
m+p-Xylenes		9.68	ug/L	1.0	97	70	130			
o-Xylene		4.84	ug/L	1.0	97	70	130			
Xylenes, Total		14.5	ug/L	1.0	97	70	130			
Surr: 1,2-Dichloroethane-d4				1.0	102	70	130			
Surr: Dibromofluoromethane				1.0	76	70	130			
Surr: p-Bromofluorobenzene				1.0	86	70	130			
Surr: Toluene-d8				1.0	107	70	130			
Method: SW8260B										Batch: R80375
Sample ID: LCS060112A										06/01/12 18:38
54 Laboratory Control Sample										
Run: 1SATURN_120601A										
Acetone		50.8	ug/L	20	102	70	130			
Acrylonitrile		55.2	ug/L	20	110	70	130			
Benzene		4.76	ug/L	1.0	95	70	130			
Bromochloromethane		3.50	ug/L	1.0	70	70	130			
Bromodichloromethane		5.60	ug/L	1.0	112	70	130			
Bromoform		5.00	ug/L	1.0	100	70	130			
Bromomethane		3.68	ug/L	1.0	74	70	130			
Carbon disulfide		6.08	ug/L	1.0	122	70	130			
Carbon tetrachloride		5.08	ug/L	1.0	102	70	130			
Chlorobenzene		5.12	ug/L	1.0	102	70	130			
Chlorodibromomethane		5.04	ug/L	1.0	101	70	130			
Chloroethane		6.28	ug/L	1.0	126	70	130			
Chloroform		4.84	ug/L	1.0	97	70	130			
Chloromethane		5.12	ug/L	1.0	102	70	130			
1,2-Dibromo-3-chloropropane		4.80	ug/L	1.0	96	70	130			
1,2-Dibromoethane		5.20	ug/L	1.0	104	70	130			
Dibromomethane		5.20	ug/L	1.0	104	70	130			
1,2-Dichlorobenzene		5.12	ug/L	1.0	102	70	130			
1,4-Dichlorobenzene		5.20	ug/L	1.0	104	70	130			
trans-1,4-Dichloro-2-butene		5.20	ug/L	1.0	104	70	130			
Dichlorodifluoromethane		5.52	ug/L	1.0	110	70	130			
1,1-Dichloroethane		5.00	ug/L	1.0	100	70	130			
1,2-Dichloroethane		5.40	ug/L	1.0	108	70	130			
1,1-Dichloroethene		6.32	ug/L	1.0	126	70	130			
cis-1,2-Dichloroethene		5.52	ug/L	1.0	110	70	130			
trans-1,2-Dichloroethene		6.00	ug/L	1.0	120	70	130			
1,2-Dichloropropane		6.16	ug/L	1.0	123	70	130			
cis-1,3-Dichloropropene		5.72	ug/L	1.0	114	70	130			
trans-1,3-Dichloropropene		5.44	ug/L	1.0	109	70	130			
Ethylbenzene		5.28	ug/L	1.0	106	70	130			
2-Hexanone		50.4	ug/L	20	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section

Report Date: 06/11/12

Project: Mister M Landfill

Work Order: H12050404

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R80375
Sample ID: LCS060112A	54	Laboratory Control Sample				Run: 1SATURN_120601A				06/01/12 18:38
Iodomethane		4.36	ug/L	1.0	87	70	130			
Methyl ethyl ketone		53.2	ug/L	20	106	70	130			
Methyl isobutyl ketone		52.4	ug/L	20	105	70	130			
Methylene chloride		6.28	ug/L	1.0	126	70	130			
Styrene		5.20	ug/L	1.0	104	70	130			
1,1,1,2-Tetrachloroethane		4.92	ug/L	1.0	98	70	130			
1,1,2,2-Tetrachloroethane		4.96	ug/L	1.0	99	70	130			
Tetrachloroethene		5.72	ug/L	1.0	114	70	130			
Toluene		5.72	ug/L	1.0	114	70	130			
1,1,1-Trichloroethane		4.72	ug/L	1.0	94	70	130			
1,1,2-Trichloroethane		5.00	ug/L	1.0	100	70	130			
Trichloroethene		5.68	ug/L	1.0	114	70	130			
Trichlorofluoromethane		6.04	ug/L	1.0	121	70	130			
1,2,3-Trichloropropane		4.32	ug/L	1.0	86	70	130			
Vinyl acetate		6.24	ug/L	1.0	125	70	130			
Vinyl chloride		5.72	ug/L	1.0	114	70	130			
m+p-Xylenes		10.6	ug/L	1.0	106	70	130			
o-Xylene		5.32	ug/L	1.0	106	70	130			
Xylenes, Total		15.9	ug/L	1.0	106	70	130			
Surr: 1,2-Dichloroethane-d4				1.0	98	70	130			
Surr: Dibromofluoromethane				1.0	79	70	130			
Surr: p-Bromofluorobenzene				1.0	89	70	130			
Surr: Toluene-d8				1.0	116	70	130			
Sample ID: MB060112A	54	Method Blank				Run: 1SATURN_120601A				06/01/12 19:50
Acetone		ND	ug/L	20						
Acrylonitrile		ND	ug/L	20						
Benzene		ND	ug/L	1.0						
Bromochloromethane		ND	ug/L	1.0						
Bromodichloromethane		ND	ug/L	1.0						
Bromoform		ND	ug/L	1.0						
Bromomethane		ND	ug/L	1.0						
Carbon disulfide		ND	ug/L	1.0						
Carbon tetrachloride		ND	ug/L	1.0						
Chlorobenzene		ND	ug/L	1.0						
Chlorodibromomethane		ND	ug/L	1.0						
Chloroethane		ND	ug/L	1.0						
Chloroform		ND	ug/L	1.0						
Chloromethane		ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane		ND	ug/L	1.0						
1,2-Dibromoethane		ND	ug/L	1.0						
Dibromomethane		ND	ug/L	1.0						
1,2-Dichlorobenzene		ND	ug/L	1.0						
1,4-Dichlorobenzene		ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section

Report Date: 06/11/12

Project: Mister M Landfill

Work Order: H12050404

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R80375
Sample ID: MB060112A	54	Method Blank				Run: 1SATURN_120601A				06/01/12 19:50
trans-1,4-Dichloro-2-butene		ND	ug/L	1.0						
Dichlorodifluoromethane		ND	ug/L	1.0						
1,1-Dichloroethane		ND	ug/L	1.0						
1,2-Dichloroethane		ND	ug/L	1.0						
1,1-Dichloroethene		ND	ug/L	1.0						
cis-1,2-Dichloroethene		ND	ug/L	1.0						
trans-1,2-Dichloroethene		ND	ug/L	1.0						
1,2-Dichloropropane		ND	ug/L	1.0						
cis-1,3-Dichloropropene		ND	ug/L	1.0						
trans-1,3-Dichloropropene		ND	ug/L	1.0						
Ethylbenzene		ND	ug/L	1.0						
2-Hexanone		ND	ug/L	20						
Iodomethane		ND	ug/L	1.0						
Methyl ethyl ketone		ND	ug/L	20						
Methyl isobutyl ketone		ND	ug/L	20						
Methylene chloride		ND	ug/L	1.0						
Styrene		ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane		ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane		ND	ug/L	1.0						
Tetrachloroethene		ND	ug/L	1.0						
Toluene		ND	ug/L	1.0						
1,1,1-Trichloroethane		ND	ug/L	1.0						
1,1,2-Trichloroethane		ND	ug/L	1.0						
Trichloroethene		ND	ug/L	1.0						
Trichlorofluoromethane		ND	ug/L	1.0						
1,2,3-Trichloropropane		ND	ug/L	1.0						
Vinyl acetate		ND	ug/L	1.0						
Vinyl chloride		ND	ug/L	1.0						
m+p-Xylenes		ND	ug/L	1.0						
o-Xylene		ND	ug/L	1.0						
Xylenes, Total		ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4				1.0	99	70	130			
Surr: Dibromofluoromethane				1.0	80	70	130			
Surr: p-Bromofluorobenzene				1.0	88	70	130			
Surr: Toluene-d8				1.0	114	70	130			
Sample ID: H12050404-001CMS	54	Sample Matrix Spike				Run: 1SATURN_120601A				06/02/12 10:56
Acetone		74.2	ug/L	40	74	70	130			
Acrylonitrile		102	ug/L	40	102	70	130			
Benzene		9.84	ug/L	2.0	98	70	130			
Bromochloromethane		9.12	ug/L	2.0	91	70	130			
Bromodichloromethane		11.0	ug/L	2.0	110	70	130			
Bromoform		9.28	ug/L	2.0	93	70	130			
Bromomethane		10.1	ug/L	2.0	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section

Report Date: 06/11/12

Project: Mister M Landfill

Work Order: H12050404

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R80375
Sample ID: H12050404-001CMS										06/02/12 10:56
54 Sample Matrix Spike										Run: 1SATURN_120601A
Carbon disulfide		12.6	ug/L	2.0	126	70	130			
Carbon tetrachloride		9.60	ug/L	2.0	96	70	130			
Chlorobenzene		9.92	ug/L	2.0	99	70	130			
Chlorodibromomethane		9.68	ug/L	2.0	97	70	130			
Chloroethane		12.3	ug/L	2.0	123	70	130			
Chloroform		8.96	ug/L	2.0	90	70	130			
Chloromethane		9.76	ug/L	2.0	98	70	130			
1,2-Dibromo-3-chloropropane		8.72	ug/L	2.0	87	70	130			
1,2-Dibromoethane		9.36	ug/L	2.0	94	70	130			
Dibromomethane		10.0	ug/L	2.0	100	70	130			
1,2-Dichlorobenzene		10.6	ug/L	2.0	106	70	130			
1,4-Dichlorobenzene		10.4	ug/L	2.0	104	70	130			
trans-1,4-Dichloro-2-butene		10.0	ug/L	2.0	100	70	130			
Dichlorodifluoromethane		10.0	ug/L	2.0	100	70	130			
1,1-Dichloroethane		9.68	ug/L	2.0	97	70	130			
1,2-Dichloroethane		10.2	ug/L	2.0	102	70	130			
1,1-Dichloroethene		11.8	ug/L	2.0	118	70	130			
cis-1,2-Dichloroethene		18.2	ug/L	2.0	93	70	130			
trans-1,2-Dichloroethene		11.1	ug/L	2.0	111	70	130			
1,2-Dichloropropane		12.9	ug/L	2.0	129	70	130			
cis-1,3-Dichloropropene		11.0	ug/L	2.0	110	70	130			
trans-1,3-Dichloropropene		10.7	ug/L	2.0	107	70	130			
Ethylbenzene		10.5	ug/L	2.0	105	70	130			
2-Hexanone		87.2	ug/L	40	87	70	130			
Iodomethane		9.12	ug/L	2.0	91	70	130			
Methyl ethyl ketone		103	ug/L	40	103	70	130			
Methyl isobutyl ketone		95.2	ug/L	40	95	70	130			
Methylene chloride		11.9	ug/L	2.0	119	70	130			
Styrene		9.36	ug/L	2.0	94	70	130			
1,1,1,2-Tetrachloroethane		8.40	ug/L	2.0	84	70	130			
1,1,2,2-Tetrachloroethane		9.52	ug/L	2.0	95	70	130			
Tetrachloroethene		11.1	ug/L	2.0	111	70	130			
Toluene		10.6	ug/L	2.0	106	70	130			
1,1,1-Trichloroethane		8.96	ug/L	2.0	90	70	130			
1,1,2-Trichloroethane		10.3	ug/L	2.0	103	70	130			
Trichloroethene		11.4	ug/L	2.0	114	70	130			
Trichlorofluoromethane		10.7	ug/L	2.0	107	70	130			
1,2,3-Trichloropropane		10.1	ug/L	2.0	101	70	130			
Vinyl acetate		12.1	ug/L	2.0	121	70	130			
Vinyl chloride		10.6	ug/L	2.0	104	70	130			
m+p-Xylenes		19.9	ug/L	2.0	100	70	130			
o-Xylene		9.44	ug/L	2.0	94	70	130			
Xylenes, Total		29.4	ug/L	2.0	98	70	130			
Surr: 1,2-Dichloroethane-d4				2.0	102	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section

Report Date: 06/11/12

Project: Mister M Landfill

Work Order: H12050404

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R80375
Sample ID: H12050404-001CMS	54	Sample Matrix Spike		Run: 1SATURN_120601A						06/02/12 10:56
Surr: Dibromofluoromethane				2.0	95	70	130			
Surr: p-Bromofluorobenzene				2.0	96	70	130			
Surr: Toluene-d8				2.0	114	70	130			
Sample ID: H12050404-001CMSD	54	Sample Matrix Spike Duplicate		Run: 1SATURN_120601A						06/02/12 11:26
Acetone		80.8	ug/L	40	81	70	130	8.5	20	
Acrylonitrile		101	ug/L	40	101	70	130	0.8	20	
Benzene		9.76	ug/L	2.0	98	70	130	0.8	20	
Bromochloromethane		9.60	ug/L	2.0	96	70	130	5.1	20	
Bromodichloromethane		10.9	ug/L	2.0	109	70	130	1.5	20	
Bromoform		10.6	ug/L	2.0	106	70	130	13	20	
Bromomethane		9.28	ug/L	2.0	93	70	130	8.3	20	
Carbon disulfide		14.2	ug/L	2.0	142	70	130	12	20	S
Carbon tetrachloride		9.28	ug/L	2.0	93	70	130	3.4	20	
Chlorobenzene		10.2	ug/L	2.0	102	70	130	3.2	20	
Chlorodibromomethane		9.36	ug/L	2.0	94	70	130	3.4	20	
Chloroethane		11.4	ug/L	2.0	114	70	130	8.1	20	
Chloroform		9.28	ug/L	2.0	93	70	130	3.5	20	
Chloromethane		9.12	ug/L	2.0	91	70	130	6.8	20	
1,2-Dibromo-3-chloropropane		8.56	ug/L	2.0	86	70	130	1.9	20	
1,2-Dibromoethane		10.2	ug/L	2.0	102	70	130	9.0	20	
Dibromomethane		10.1	ug/L	2.0	101	70	130	0.8	20	
1,2-Dichlorobenzene		10.1	ug/L	2.0	101	70	130	5.4	20	
1,4-Dichlorobenzene		10.6	ug/L	2.0	106	70	130	2.3	20	
trans-1,4-Dichloro-2-butene		9.84	ug/L	2.0	98	70	130	1.6	20	
Dichlorodifluoromethane		10.2	ug/L	2.0	102	70	130	2.4	20	
1,1-Dichloroethane		9.68	ug/L	2.0	97	70	130	0.0	20	
1,2-Dichloroethane		9.60	ug/L	2.0	96	70	130	6.5	20	
1,1-Dichloroethene		12.1	ug/L	2.0	121	70	130	2.0	20	
cis-1,2-Dichloroethene		17.0	ug/L	2.0	80	70	130	7.3	20	
trans-1,2-Dichloroethene		10.9	ug/L	2.0	109	70	130	2.2	20	
1,2-Dichloropropane		12.5	ug/L	2.0	125	70	130	3.2	20	
cis-1,3-Dichloropropene		11.4	ug/L	2.0	114	70	130	3.6	20	
trans-1,3-Dichloropropene		10.2	ug/L	2.0	102	70	130	4.6	20	
Ethylbenzene		10.6	ug/L	2.0	106	70	130	1.5	20	
2-Hexanone		97.6	ug/L	40	98	70	130	11	20	
Iodomethane		9.68	ug/L	2.0	97	70	130	6.0	20	
Methyl ethyl ketone		102	ug/L	40	102	70	130	0.8	20	
Methyl isobutyl ketone		107	ug/L	40	107	70	130	12	20	
Methylene chloride		11.8	ug/L	2.0	118	70	130	1.4	20	
Styrene		9.76	ug/L	2.0	98	70	130	4.2	20	
1,1,1,2-Tetrachloroethane		9.20	ug/L	2.0	92	70	130	9.1	20	
1,1,2,2-Tetrachloroethane		9.68	ug/L	2.0	97	70	130	1.7	20	
Tetrachloroethene		10.5	ug/L	2.0	105	70	130	5.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Helena, MT Branch

Client: MT-DEQ Solid Waste Section

Report Date: 06/11/12

Project: Mister M Landfill

Work Order: H12050404

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R80375
Sample ID: H12050404-001CMSD		54	Sample Matrix Spike Duplicate		Run: 1SATURN_120601A				06/02/12 11:26	
Toluene		10.9	ug/L	2.0	109	70	130	3.0	20	
1,1,1-Trichloroethane		8.96	ug/L	2.0	90	70	130	0.0	20	
1,1,2-Trichloroethane		10.2	ug/L	2.0	102	70	130	0.8	20	
Trichloroethene		11.0	ug/L	2.0	110	70	130	3.6	20	
Trichlorofluoromethane		11.2	ug/L	2.0	112	70	130	4.4	20	
1,2,3-Trichloropropane		10.2	ug/L	2.0	102	70	130	1.6	20	
Vinyl acetate		12.3	ug/L	2.0	123	70	130	2.0	20	
Vinyl chloride		10.7	ug/L	2.0	105	70	130	0.7	20	
m+p-Xylenes		19.9	ug/L	2.0	100	70	130	0.0	20	
o-Xylene		10.2	ug/L	2.0	102	70	130	8.1	20	
Xylenes, Total		30.2	ug/L	2.0	101	70	130	2.7	20	
Surr: 1,2-Dichloroethane-d4				2.0	100	70	130	0.0	20	
Surr: Dibromofluoromethane				2.0	85	70	130	0.0	20	
Surr: p-Bromofluorobenzene				2.0	95	70	130	0.0	20	
Surr: Toluene-d8				2.0	114	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Workorder Receipt Checklist



MT-DEQ Solid Waste Section

H12050404

Login completed by: Tracy L. Lorash

Date Received: 5/24/2012

Reviewed by: BL2000\kwiegand

Received by: TLL

Reviewed Date: 5/29/2012

Carrier Hand Del
name:

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☒	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☒	No ☐	
Container/Temp Blank temperature:	4.6°C On Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☒	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

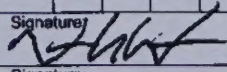
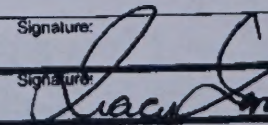
Contact and Corrective Action Comments:

Sample ID on all bottles includes MrM - COC does not. Per Martin, Please include the MrM in the sample ID's.
One voa vial for MW-12-Dup has a bb size air bubble. TI 5/25/12.

PLEASE PRINT (Provide as much information as possible.)

Company Name: MT DER Solid Waste	Project Name, PWS, Permit, Etc. Miston M Landfill	Sample Origin State: MT	EPA/State Compliance: Yes ☒ No ☐
Report Mail Address: 1520 E. Sixth Ave, Helena, MT 59620	Contact Name: Martin Van Oort	Phone/Fax: 444-2802	Email: MVANOOORT@mt.gov
Invoice Address: Same	Invoice Contact & Phone: Same	Purchase Order:	Quote/Bottle Order: 9758

Special Report/Formats:				ANALYSIS REQUESTED										SEE ATTACHED	Standard Turnaround (TAT)	R U S H	Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page Comments: Please USE DER-7 required reporting limits	Shipped by: Hand del Cooler ID(s): Y
☐ DW ☐ POTW/WWTP ☐ State: _____ ☐ Other: _____				☐ EDD/EDT (Electronic Data) Format: _____ ☐ LEVEL IV ☐ NELAC				Number of Containers Sample Type: A W S V B O DW Air Water Soils/Solids Vegetation Bioassay Other DW - Drinking Water										Receipt Temp: 4.6 °C On Ice: ☒ N Custody Seal On Bottle: Y ☒ N On Cooler: Y ☒ N Intact: Y ☒ N Signature Match: Y ☒ N
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	pH	Conductivity	Cl ⁻	SO ₄ ²⁻	8260 VOCs	Nitrate + Nitrite	Dissolved Metals - full list	Fe	Zn						
¹ MW-QW	5/22/12	1820	SW	X	X			X										
² MW-9R	5/23/12	820	SW	X	X	X												
³ MW-11	5/23/12	1110	6W	X	X	X	X											
MW-12	5/23/12	1430	6W	X	X	X	X											
MW-12-Dip	5/23/12	1435	6W	X	X	X	X											
MW-HW	5/23/12	1605	6W	X	X	X	X											
Trip Blank	5/24/12	—	1W		X													
8																		
9																		
10																		

Custody Record MUST be Signed	Relinquished by (print): Martin Van Oort	Date/Time: 5/24/12 1304	Signature: 	Received by (print):	Date/Time:	Signature:
	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Sample Disposal: Return to Client:	Lab Disposal:	Received by Laboratory: Tracy Lerch	Date/Time: 5/24/12 13:04	Signature: 	



TETRA TECH

January 11, 2008

Ms. Mary Louise Hendrickson
Solid Waste Regulatory Program
Waste Management Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, Montana 59620-0901

**RE: December 2007 Groundwater Monitoring Field Notes and Laboratory Report
Mister M Landfill, Lewistown, Montana**

Dear Ms. Hendrickson:

Enclosed please find field notes and the laboratory analytic report for groundwater sampling performed by Tetra Tech personnel at the Mister M landfill on December 18 and 19, 2007. Samples were delivered to Energy Laboratories in Helena, Montana on December 20, 2007. Work was completed in accordance with Tetra Tech's cost estimate dated June 5, 2007 and approved by you in a letter to Mr. Chris Cronin dated June 11, 2007.

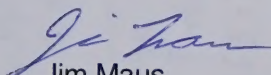
Also attached please find the field log for quarterly landfill gas monitoring conducted at the Mister M Landfill on December 18, 2007. Concentrations of landfill gas measured at all monitoring locations were 0 percent of the lower explosive limit (LEL). Field personnel indicated that all wells are missing valved sampling ports and well MW-8 has no plastic well cap. Therefore gas monitoring was performed by lowering approximately 10 inches of tubing into the well then sealing the well head as best as possible while taking readings.

Five wells (MW-1, MW-4, MW-6, MW-7/2, and MW-10) were dry during December 2007. Well MW-9 could not be located. Of the eight wells to be sampled, all were dry but three (MW-5, MW-OW1, and MW-HW).

Please call Jim Maus of Tetra Tech at 443-5210 if you have any questions about this sampling event. I am working to get you our total invoicing by the end of the month.

Thanks again for the opportunity to provide environmental services to your agency. Please let us know if we can be of any further assistance.

Sincerely,


Jim Maus
Project Manager

Enclosures

RECEIVED

JAN 15 2008

Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

Tetra Tech

303 Irene Street, Helena, MT 59601
Tel 406.443.5210 Fax 406.449.3729 www.tetratech.com



January 17, 2008

Mr. [Name]
[Address]
[City]
[State]
[Zip]

Dear Mr. [Name]:

I am writing to you regarding the [Topic] that we discussed in our meeting on January 15, 2008. As you know, we are currently in the process of [Action] and we are looking for [Requirement].

We are interested in your company's [Product/Service] and would like to know more about it. Could you please provide us with a [Document] that details the [Information] we need?

We are looking forward to hearing from you soon. Please contact me at [Phone Number] or [Email Address] if you have any questions.

Thank you for your time and consideration. We appreciate your interest in our company.

Sincerely,
[Signature]

RECEIVED

JAN 17 2008

Office of [Name]
[Address]
[City]
[State]
[Zip]

12:00 wrestle w/difficult gate.
Pack up gear
leave site

3:15 Return to BZN. Refill gas tank
unhqd. Package LEL meter & TRB for return
103463 = end mileage

12-18-2007 Rainy English / share Matolyak.
Arrived onsite @ 10:30. Review & sign
HASP. Review SAP & Work Plan.
Tailgate safety meeting. Measuring out
DTW AND methane.

Well ID	DTW	Well ID	DTW.
MW-1	Dry @ 23.00	MW-10	Dry.
MW-3	31.22	MW-11	7.73
MW-4	Dry @ 19.48'	MW-11m	41.45
MW-5	102.81	MW-OW1	33.99
MW-5m	Sta. 57	MW-OW2	41.64'
MW-6	Dry	UNK	8 =
MW-6m	49.72		
MW-7 1/2	Dry		
MW-8	17.75		

MW-9 = could not locate but did find uninstalled
2" PVC well casing in vicinity of where well should be.

Methane monitoring

WELL ID	LEL	O ₂
MW-5m	000	20.9
MW-6m	000	20.9
MW-8	000	20.9
MW-11m	000	20.2

Need plastic cap for:

- ① MW-5 2"
- ② MW-5m - 2" - need a methane monitoring cap (w/valve). HAVE ABOUT 5" FROM plastic to steel. Outer casing is 4" STEEL
- ③ MW-6 - Well was totally DRY, Water Probe went to Bottom of well measured 103.4'
- MW-6m - Need a methane monitoring cap. (valve)
HAVE ABOUT 4" FROM plastic to STEEL
2" PVC AND 4" STEEL casing.
- ④ NO cap 6", NO PROTECTIVE casing
- ⑤ NO cap (2" PVC) ABOUT 3/8" B/T PVC + STEEL @ top
- ⑥ 4" PVC (HEAVY) NO cap; ABOUT 2" B/T PVC + STEEL
- ⑦ NO cap 4" PVC Heavy 2" B/T PVC & steel
- ⑧ unidentified 6" well PVC NO protector, possibly plugged west side of access road.
see picture

Note: Sampling @ MW-HW. Can't get the Frost Free Hydrant to work near well. Appears that the Sucker Rod is Froze or otherwise stuck in the closed position tried to tighten set screw But it appears that someone else has already done that to the point that the threads have cracks CAN-Not get H_2O From this well. Have Noted that there is another spigot near old House that ~~was~~ ~~the~~ is of the same model. This Frost-Free works well, Have confirmed that this Frost-free is in-line with the well to sample by observing surges in the H_2O pressure coinciding w/ the pressure switch @ well. Have Decided to sample this well and await confirmation @ office prior to sending to lab. Have LABELED these samples MW-HWB
Sampled well @ 1443

MW-OW1 - Set up low Flow system. Have no well log; Set pump @ same depth as June Sample Event (75')
Sampled well @ 1720.
Fitting for decom pump Broke, CAN NOT decom Low Flow pump.

CONTENTS

PAGE	REFERENCE	DATE
	Landowner from adjacent property downgradient of settling pond visited w/us. He discussed how, last year, his pump/well house flooded & became a mess. He mentioned house H_2O sometimes smells bad, like a perm/salon. The smell dissipates after running the water for a couple minutes. Smell is NOT noticed from outside spigot.	
	12-19-07	
	SM & RE arrive @ site at 9:45 search for MW-9, take photos to document absence of well in area shown on map.	
	Tailgate safety meeting	
	Sample MW-5 - Bailed well dry @ 1/4 gallon. Allowed 20 minutes	

For Recharges while organizing equipment.
 No H_2O in well. Used the original
 $\frac{1}{4}$ gallon Purged From well to fill
 some sample Bottles, Not enough for
 Cyanide or Diss metals. measured
 dry well w/ H_2O probe @ 104.6'

Returned to trailer house to take
 pictures of spigot used for MW-HW.

Leaving property 1200, lock gate.
 Put samples in Fridge over night.
 EOD

12/26/07: Chris Muzel transported samples
 to Energy labs, Sent COC with a
 3 page list of parameters to sample.
 Decan all equipment @ office.
 UN Pacheco Veh

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METHANE MONITORING LOG

Project: Mr. M Landfill, Lewistown, Montana Job No.: 6561159

Date: 12-18-07

Personnel: S. Marolyak R. English

Weather: Sunny, cool, breeze Temp.: 40 °F Barometric Pressure: (443-5151) 29.75 inches Hg

Instrument: GT-201 Calibration Date: 12-18-07 Calibrated To: Methane ☒ Hexane ☐ Isobutylene ☐
Gas Tech

[illegible]

Notes: _____

GROUNDWATER SAMPLING LOG

Page 1 of 2

Project: Mr. M Landfill

Date: 12/18/07

Station No. MW-OW1

Personnel: RANDY G/ share m

Weather: cold, Partly cloudy

Well Locked? Yes [] No ☒ Note Any Problems With Condition of Well: Plastic casing, unopened, Lid Not fitting well, don't torque on lid.

Casing Dia. & Type: 2-inch PVC [] 4-inch PVC ☒ Other _____ Measuring Point: Top of PVC, north side ☒ Other _____

Aquifer: UNKNOWN.

Well Depth (ft. below measuring point): _____ - Depth to Water _____ = _____ ft. water in well

WELL EVACUATION

Evacuation Method: Submersible Pump ☒ Disposable bailer [] Spigot [] Other Low Flow

_____ ft. water in well x _____ gal./ft. = one casing volume _____ gals. x 3 = purge volume _____ gals.

* 2" well = 0.163 gal./ft. 4" well = 0.653 gal./ft. 6" well = 1.469 gal./ft. 8" well = 2.611 gal./ft. Well C feet in diameter = 5.875 x C²

Pumping rate (gpm): _____

EVACUATION DATA

Time	Cumulative Gallons	Temp	pH	SC	ORP	DO
1555	1	5.96	7.61	6.51	-55.3	8.02
1605	1600	7.16	7.71	677	-108.3	2.26
1615	3	7.36	7.71	679	-103.8	2.92
1620	3 1/2	7.45	7.72	680	-99.8	3.39
1625	4	7.41	7.72	680	-103.6	3.36

DO measured: In-well [] In water bailed [] In water pumped [] Other Flow through Cell

WELL SAMPLING

Sampling Method: Submersible Pump ☒ Disposable Polyethylene Bailer [] Spigot [] Grab [] Other: Low Flow.

Sample Type: Natural ☒ Duplicate [] Other: _____

Sample Collected	Parameters	Sample Container	Preservative
Yes ☒ No []	VOCs	3 - 40 ml vials	HCl
Yes ☒ No []	Metals: dissolved [] or total [] full list [] or reduced list []	500 ml poly	HNO ₃
Yes [] No []	COD, Nitrate as N	250 ml poly	H ₂ SO ₄
Yes [] No []	pH, SC, sulfate, chloride	250 ml poly	Raw water
Yes [] No []	Cyanide	500 ml poly	NaOH
Yes [] No []			

Laboratory: Energy Laboratories, Helena, Montana

Chain-of-Custody: Yes ☒ No []

Meter

Model No.

Calibration Date

Decontamination

Water level _____
pH YSI 550
SC _____
ORP _____
DO _____

12/18/2007

Liquinox: Yes ☒ No [] Scrub: Yes ☒ No []
Potable H₂O: Yes [] No ☒ Steam: Yes [] No ☒
DI water: Yes ☒ No [] Nitric Acid: Yes ☒ No []

Comments: Set pump @ 75'; Previous events have set pump @ 75'
No well log available to know screen interval

GROUNDWATER SAMPLING LOG

Project: Mr. M Landfill

Date: 12/19/07

Station No. MW-5

Personnel: Randy E. Shreve M

Weather: Windy, cloudy, cold.

Well Locked? Yes ☒ No ☐ Note Any Problems With Condition of Well: M. ss. ng cap

Casing Dia. & Type: 2-inch PVC ☒ 4-inch PVC ☐ Other _____ Measuring Point: Top of PVC, north side ☒ Other _____

Aquifer: _____

Well Depth (ft. below measuring point): 112 - Depth to Water 102.8 = 9.2 ft. water in well
104.05 104.6

WELL EVACUATION

Evacuation Method: Submersible Pump ☐ Disposable bailer ☒ Spigot ☐ Other _____

9.2 ft. water in well x 0.163 gal./ft. * = one casing volume 1.5 gals. x 3 = purge volume 4.5 gals.

* 2" well = 0.163 gal./ft. 4" well = 0.653 gal./ft. 6" well = 1.469 gal./ft. 8" well = 2.611 gal./ft. Well C feet in diameter = 5.875 x C²

Pumping rate (gpm): _____

EVACUATION DATA

Time	Cumulative Gallons	Temp	pH	SC	ORP	DO
<u>10:50</u>	<u>0.25</u>	<u>7.82</u>	<u>7.35</u>	<u>1004</u>	<u>182.1</u>	<u>4.93</u>

DO measured: In-well ☐ In water bailed ☒ In water pumped ☐ Other _____

WELL SAMPLING

Sampling Method: Submersible Pump ☐ Disposable Polyethylene Bailer ☒ Spigot ☐ Grab ☐ Other _____

Sample Type: Natural ☒ Duplicate ☐ Other _____

Sample Collected	Parameters	Sample Container	Preservative
Yes ☒ No ☐	VOCs	3 - 40 ml vials	HCl
Yes ☐ No ☒	Metals: dissolved ☐ or total ☐ full list ☐ or reduced list ☐	500 ml poly	HNO ₃
Yes ☒ No ☐	COD, Nitrate as N	250 ml poly	H ₂ SO ₄
Yes ☒ No ☐	pH, SC, sulfate, chloride	250 ml poly	Raw water
Yes ☐ No ☒	Cyanide	500 ml poly	NaOH
Yes ☐ No ☐			

Laboratory: Energy Laboratories, Helena, Montana

Chain-of-Custody: Yes ☒ No ☐

Meter	Model No.	Calibration Date	Decontamination
Water level	<u>YSI 556</u>	<u>12/18/07</u>	Liquinox: Yes ☒ No ☐ Scrub: Yes ☒ No ☐
pH	<u>↓</u>	<u>↓</u>	Potable H ₂ O: Yes ☐ No ☒ Steam: Yes ☐ No ☒
SC	<u>↓</u>	<u>↓</u>	DI water: Yes ☒ No ☐ Nitric Acid: Yes ☒ No ☐
ORP	<u>↓</u>	<u>↓</u>	
DO	<u>↓</u>	<u>↓</u>	

Comments: well bailed dry @ ≈ 0.25 gallons. TD remeasured & found to be 104.6. Well allowed to rebound then sampled. Not enough H₂O for all parameters

NAME W. H. Jones ADDRESS 123 Main St.
 CITY Springfield STATE Ill. ZIP 62761
 PHONE 555-1234 FAX 555-5678
 DATE 10-25-82 TIME 10:30

REASON FOR VISIT Annual Meeting
 AGENDA 1. Welcome 2. Report 3. Dinner
 COMMENTS Very good meeting, enjoyed it.

DATE 10-25-82 TIME 10:30
 LOCATION Springfield
 ATTENDEES W. H. Jones, J. K. Smith, L. M. Brown
 AGENDA 1. Welcome 2. Report 3. Dinner
 COMMENTS Very good meeting, enjoyed it.

DATE	TIME	LOCATION	ATTENDEES
10-25-82	10:30	Springfield	W. H. Jones, J. K. Smith, L. M. Brown
10-26-82	11:00	Chicago	W. H. Jones, J. K. Smith, L. M. Brown
10-27-82	11:30	Chicago	W. H. Jones, J. K. Smith, L. M. Brown
10-28-82	12:00	Chicago	W. H. Jones, J. K. Smith, L. M. Brown
10-29-82	12:30	Chicago	W. H. Jones, J. K. Smith, L. M. Brown
10-30-82	13:00	Chicago	W. H. Jones, J. K. Smith, L. M. Brown

DATE	TIME	LOCATION	ATTENDEES
10-25-82	10:30	Springfield	W. H. Jones, J. K. Smith, L. M. Brown
10-26-82	11:00	Chicago	W. H. Jones, J. K. Smith, L. M. Brown
10-27-82	11:30	Chicago	W. H. Jones, J. K. Smith, L. M. Brown
10-28-82	12:00	Chicago	W. H. Jones, J. K. Smith, L. M. Brown
10-29-82	12:30	Chicago	W. H. Jones, J. K. Smith, L. M. Brown
10-30-82	13:00	Chicago	W. H. Jones, J. K. Smith, L. M. Brown

DATE 10-25-82 TIME 10:30
 LOCATION Springfield
 ATTENDEES W. H. Jones, J. K. Smith, L. M. Brown
 AGENDA 1. Welcome 2. Report 3. Dinner
 COMMENTS Very good meeting, enjoyed it.

GROUNDWATER SAMPLING LOG

Project: Mr. M Landfill Date: 12-18-07 Station No. MW-HWB
 Personnel: S.A.M. R.E. Weather: Sunny, breezy, cool
 Well Locked? Yes [] No [x] Note Any Problems With Condition of Well: see field book
 Casing Dia. & Type: 2-inch PVC [] 4-inch PVC [] Other _____ Measuring Point: Top of PVC, north side [] Other _____
 Aquifer: _____
 Well Depth (ft. below measuring point): _____ - Depth to Water _____ = _____ ft. water in well

WELL EVACUATION

Evacuation Method: Submersible Pump [] Disposable bailer [] Spigot [x] Other _____
 _____ ft. water in well x _____ gal./ft. * = one casing volume _____ gals. x 3 = purge volume _____ gals.

* 2" well = 0.163 gal./ft. 4" well = 0.653 gal./ft. 6" well = 1.469 gal./ft. 8" well = 2.611 gal./ft. Well C feet in diameter = $5.875 \times C^2$

Pumping rate (gpm): Start pumping @ 14:18 $\approx$ 5.5 GPM

EVACUATION DATA

Time	Cumulative Gallons	Temp $^{\circ}$ C	pH	SC MS/cm	ORP	DO
14:30		8.92	6.88	945	242.6	2.93
14:35		8.69	7.05	775	232.3	1.61
14:40		8.69	7.10	769	225.0	1.11
<u>1993 sampled well.</u>						

DO measured: In-well [] In water bailed [] In water pumped [x] Other _____

WELL SAMPLING

Sampling Method: Submersible Pump [x] Disposable Polyethylene Bailer [] Spigot [x] Grab [] Other: _____
 Sample Type: Natural [x] Duplicate [] Other: 14:43 = sample time

Sample Collected	Parameters	Sample Container	Preservative
Yes [x] No []	VOCs	3 - 40 ml vials	HCl
Yes [x] No []	Metals: dissolved or total [] full list [] or reduced list []	500 ml poly	HNO ₃
Yes [x] No []	COD, Nitrate as N	250 ml poly	H ₂ SO ₄
Yes [x] No []	pH, SC, sulfate, chloride	250 ml poly	Raw water
Yes [x] No []	Cyanide	500 ml poly	NaOH
Yes [] No []			

Laboratory: Energy Laboratories, Helena, Montana

Chain-of-Custody: Yes [x] No []

Meter	Model No.	Calibration Date	Decontamination	
Water level	<u>YSI 556</u>	<u>12-18-07</u>	Liquinox: Yes [] No []	Scrub: Yes [] No []
pH	<u>YSI 556</u>	<u>12-18-07</u>	Potable H ₂ O: Yes [] No []	Steam: Yes [] No []
SC	<u>↓</u>	<u>↓</u>	DI water: Yes [] No []	Nitric Acid: Yes [] No []
ORP	<u>↓</u>	<u>↓</u>		
DO	<u>↓</u>	<u>↓</u>		

Comments: Well that was sampled in June @ East end of driveway would not operate collected sample at First- Free spigot nearest east side of house

Well No. 11-B Date 5-18-07 Location Area 2
 Operator John Smith Project Water Quality
 Purpose Monitoring Depth 100
 Equipment Hand Pump Sample Type Water
 Sample Volume 100 ml Sample Temp 15.5
 Sample Date 5-18-07 Sample Time 10:00

ANALYSIS

Parameter pH Value 7.2 Unit None
 Parameter Temperature Value 15.5 Unit °C
 Parameter Dissolved Oxygen Value 8.5 Unit mg/L
 Parameter Electrical Conductivity Value 150 Unit µS/cm

Parameter	Value	Unit
pH	7.2	None
Temperature	15.5	°C
Dissolved Oxygen	8.5	mg/L
Electrical Conductivity	150	µS/cm

Remarks Water clear, no odor
 Date 5-18-07 Time 10:00
 Operator John Smith

Parameter	Value	Unit
pH	7.2	None
Temperature	15.5	°C
Dissolved Oxygen	8.5	mg/L
Electrical Conductivity	150	µS/cm

Parameter	Value	Unit
pH	7.2	None
Temperature	15.5	°C
Dissolved Oxygen	8.5	mg/L
Electrical Conductivity	150	µS/cm

Notes: Water clear, no odor
Sample collected at 100 ft depth
Operator: John Smith

ANALYTICAL SUMMARY REPORT

#302

January 09, 2008

MT DEQ
PO Box 200901
Helena, MT 59620

Workorder No.: H07120232

Project Name: Mr. M Landfill

RECEIVED

JAN 11 2008

Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

Energy Laboratories Inc received the following 4 samples from MT DEQ on 12/20/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
H07120232-001	MW-HW-B	12/18/07 14:43	12/20/07	Aqueous	Metals by ICP/ICPMS, Dissolved Chloride Cyanide, Total Manual Distillation Total Cyanide Digestion Chemical Oxygen Demand Conductivity Nitrogen, Nitrate + Nitrite pH Sulfate 8260-Volatile Organic Comp, 40 CFR Part 258 App I
H07120232-002	MW-OW1	12/18/07 17:20	12/20/07	Aqueous	Same As Above
H07120232-003	MW-5	12/19/07 11:00	12/20/07	Aqueous	Chloride Chemical Oxygen Demand Conductivity Nitrogen, Nitrate + Nitrite pH Sulfate 8260-Volatile Organic Comp, 40 CFR Part 258 App I
H07120232-004	Trip Blank TB11707(jh)(b)	12/19/07 11:00	12/20/07	Trip Blank	8260-Volatile Organic Comp, 40 CFR Part 258 App I

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-r - Energy Laboratories, Inc. - Rapid City, SD, EPA# SD00012
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES, INC. will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories are indicated within the Laboratory Analytical Report.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

ELI appreciates the opportunity to provide you with this analytical service. For additional information, including certifications, and analytical services visit our web page www.energylab.com.

Report Approved By: _____

[Signature]

LABORATORY ANALYTICAL REPORT

Client: _____ Report Date: 12/15/2017
Address: _____ Extension Date: 12/15/2017
City: Helena, MT 59604
State: Montana

Analysis	Conc. (mg/L)	Conc. (µg/L)	Conc. (ppb)	Method	Analysis (mg/L)
WATER QUALITY					
pH	7.5	7500	7500	Standard	7.5
Temperature	10	1000	1000	Standard	10
WATER QUALITY CONTAMINANTS					
Ammonia Nitrogen	0.5	500	500	Standard	0.5
Chloride	100	10000	10000	Standard	100
Copper	0.1	10	10	Standard	0.1
Lead	0.05	5	5	Standard	0.05
Mercury	0.01	1	1	Standard	0.01
Nitrate	10	1000	1000	Standard	10
Sulfate	100	10000	10000	Standard	100
Turbidity	0.1	10	10	Standard	0.1
WATER QUALITY CONTAMINANTS					
Aluminum	0.1	10	10	Standard	0.1
Barium	100	10000	10000	Standard	100
Boron	0.1	10	10	Standard	0.1
Calcium	100	10000	10000	Standard	100
Cadmium	0.01	1	1	Standard	0.01
Chromium	0.1	10	10	Standard	0.1
Cobalt	0.1	10	10	Standard	0.1
Copper	0.1	10	10	Standard	0.1
Fluoride	10	1000	1000	Standard	10
Iron	100	10000	10000	Standard	100
Manganese	0.1	10	10	Standard	0.1
Mercury	0.01	1	1	Standard	0.01
Nickel	0.1	10	10	Standard	0.1
Selenium	0.1	10	10	Standard	0.1
Silver	0.1	10	10	Standard	0.1
Sulfate	100	10000	10000	Standard	100
Tin	0.1	10	10	Standard	0.1
Zinc	100	10000	10000	Standard	100
WATER QUALITY CONTAMINANTS					
Antimony	0.1	10	10	Standard	0.1
Arsenic	0.1	10	10	Standard	0.1
Bismuth	0.1	10	10	Standard	0.1
Chromium	0.1	10	10	Standard	0.1
Copper	0.1	10	10	Standard	0.1
Fluoride	10	1000	1000	Standard	10
Iron	100	10000	10000	Standard	100
Manganese	0.1	10	10	Standard	0.1
Mercury	0.01	1	1	Standard	0.01
Nickel	0.1	10	10	Standard	0.1
Selenium	0.1	10	10	Standard	0.1
Silver	0.1	10	10	Standard	0.1
Sulfate	100	10000	10000	Standard	100
Tin	0.1	10	10	Standard	0.1
Zinc	100	10000	10000	Standard	100

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07120232-001
Client Sample ID: MW-HW-B

Report Date: 01/08/08
Collection Date: 12/18/07 14:43
Date Received: 12/20/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.4	s.u.		0.1		A4500-H B	12/20/07 15:08 / sld
Conductivity	756	umhos/cm		1		A2510 B	12/27/07 10:08 / abb
INORGANICS							
Cyanide, Total	ND	mg/L		0.005		Kelada mod	12/21/07 10:31 / eli-b
Sulfate	38	mg/L		1		A4500-SO4 E	01/02/08 13:29 / abb
Chloride	9	mg/L		1		A4500-Cl C	12/28/07 13:47 / sld
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		1		E410.4	12/27/07 15:00 / sld
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.01	mg/L		0.01		E353.2	12/26/07 11:08 / sld
METALS, DISSOLVED							
Antimony	ND	mg/L		0.01		E200.8	12/22/07 03:39 / eli-b
Arsenic	ND	mg/L		0.005		E200.8	12/22/07 03:39 / eli-b
Barium	0.08	mg/L		0.02		E200.8	12/22/07 03:39 / eli-b
Beryllium	ND	mg/L		0.001		E200.8	12/26/07 15:06 / eli-b
Cadmium	ND	mg/L		0.0005		E200.8	12/22/07 03:39 / eli-b
Chromium	ND	mg/L		0.002		E200.8	12/22/07 03:39 / eli-b
Cobalt	ND	mg/L		0.005		E200.8	12/22/07 03:39 / eli-b
Copper	ND	mg/L		0.001		E200.8	12/22/07 03:39 / eli-b
Iron	ND	mg/L		0.03		E200.7	12/28/07 02:10 / eli-b
Lead	ND	mg/L		0.002		E200.8	12/22/07 03:39 / eli-b
Mercury	ND	mg/L		0.0002		E200.8	12/22/07 03:39 / eli-b
Nickel	ND	mg/L		0.01		E200.8	12/22/07 03:39 / eli-b
Selenium	ND	mg/L		0.005		E200.8	12/22/07 03:39 / eli-b
Silver	ND	mg/L		0.0002		E200.8	12/26/07 15:06 / eli-b
Thallium	ND	mg/L		0.01		E200.8	12/22/07 03:39 / eli-b
Vanadium	ND	mg/L		0.05		E200.8	12/22/07 03:39 / eli-b
Zinc	0.02	mg/L		0.01		E200.8	12/22/07 03:39 / eli-b
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/20/07 16:28 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	12/20/07 16:28 / jdh
Benzene	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07120232-001
Client Sample ID: MW-HW-B

Report Date: 01/08/08
Collection Date: 12/18/07 14:43
Date Received: 12/20/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
2-Hexanone	ND	ug/L		20		SW8260B	12/20/07 16:28 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/20/07 16:28 / jdh
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/20/07 16:28 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Styrene	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Toluene	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Trichloroethene	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07120232-001
Client Sample ID: MW-HW-B

Report Date: 01/08/08
Collection Date: 12/18/07 14:43
Date Received: 12/20/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/20/07 16:28 / jdh
Surr: 1,2-Dichloroethane-d4	98.0	%REC		70-130		SW8260B	12/20/07 16:28 / jdh
Surr: Dibromofluoromethane	94.0	%REC		70-130		SW8260B	12/20/07 16:28 / jdh
Surr: p-Bromofluorobenzene	92.0	%REC		70-130		SW8260B	12/20/07 16:28 / jdh
Surr: Toluene-d8	97.0	%REC		70-130		SW8260B	12/20/07 16:28 / jdh
SEMIVOLATILE ORGANICS							
Chlorobenzene	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Bromobenzene	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
HEAVY METALS							
As	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Cd	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Cr	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Pb	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Mn	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Fe	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Ni	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Co	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Cu	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Zn	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Mo	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Se	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Ag	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Al	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Ba	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Be	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
B	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Br	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
C	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Ca	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Cl	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
F	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
H	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
I	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
K	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Li	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Mg	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Na	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
S	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Ti	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
V	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
W	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Y	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh
Zr	ND	ug/L		0.05		SW8260B	12/20/07 16:28 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07120232-002
Client Sample ID: MW-OW1

Report Date: 01/08/08
Collection Date: 12/18/07 17:20
Date Received: 12/20/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.5	s.u.		0.1		A4500-H B	12/20/07 15:09 / sld
Conductivity	669	umhos/cm		1		A2510 B	12/27/07 10:11 / abb
INORGANICS							
Cyanide, Total	ND	mg/L		0.005		Kelada mod	12/21/07 10:33 / eli-b
Sulfate	2	mg/L		1		A4500-SO4 E	01/02/08 13:29 / abb
Chloride	47	mg/L		1		A4500-Cl C	12/28/07 13:50 / sld
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	9	mg/L		1		E410.4	12/27/07 15:00 / sld
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	12/26/07 11:10 / sld
METALS, DISSOLVED							
Antimony	ND	mg/L		0.01		E200.8	12/22/07 03:46 / eli-b
Arsenic	ND	mg/L		0.005		E200.8	12/22/07 03:46 / eli-b
Barium	0.09	mg/L		0.02		E200.8	12/22/07 03:46 / eli-b
Beryllium	ND	mg/L		0.001		E200.8	12/26/07 15:33 / eli-b
Cadmium	ND	mg/L		0.0005		E200.8	12/22/07 03:46 / eli-b
Chromium	ND	mg/L		0.002		E200.8	12/22/07 03:46 / eli-b
Cobalt	ND	mg/L		0.005		E200.8	12/22/07 03:46 / eli-b
Copper	ND	mg/L		0.001		E200.8	12/22/07 03:46 / eli-b
Iron	3.79	mg/L		0.03		E200.7	12/27/07 06:15 / eli-b
Lead	ND	mg/L		0.002		E200.8	12/22/07 03:46 / eli-b
Mercury	ND	mg/L		0.0002		E200.8	12/22/07 03:46 / eli-b
Nickel	ND	mg/L		0.01		E200.8	12/22/07 03:46 / eli-b
Selenium	ND	mg/L		0.005		E200.8	12/22/07 03:46 / eli-b
Silver	ND	mg/L		0.0002		E200.8	12/26/07 15:33 / eli-b
Thallium	ND	mg/L		0.01		E200.8	12/22/07 03:46 / eli-b
Vanadium	ND	mg/L		0.05		E200.8	12/22/07 03:46 / eli-b
Zinc	3.17	mg/L		0.01		E200.8	12/22/07 03:46 / eli-b
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/20/07 16:58 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	12/20/07 16:58 / jdh
Benzene	1.9	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07120232-002
Client Sample ID: MW-OW1

Report Date: 01/08/08
Collection Date: 12/18/07 17:20
Date Received: 12/20/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
cis-1,2-Dichloroethene	62	ug/L		10		SW8260B	12/22/07 12:49 / jdh
trans-1,2-Dichloroethene	0.29	ug/L	J	1.0		SW8260B	12/20/07 16:58 / jdh
1,2-Dichloropropane	0.18	ug/L	J	1.0		SW8260B	12/20/07 16:58 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Ethylbenzene	3.3	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
2-Hexanone	ND	ug/L		20		SW8260B	12/20/07 16:58 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/20/07 16:58 / jdh
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/20/07 16:58 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Styrene	4.4	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Toluene	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Trichloroethene	0.67	ug/L	J	1.0		SW8260B	12/20/07 16:58 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Vinyl chloride	1.7	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
m+p-Xylenes	0.64	ug/L	J	1.0		SW8260B	12/20/07 16:58 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07120232-002
Client Sample ID: MW-OW1

Report Date: 01/08/08
Collection Date: 12/18/07 17:20
DateReceived: 12/20/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	0.64	ug/L	J	1.0		SW8260B	12/20/07 16:58 / jdh
Surr: 1,2-Dichloroethane-d4	96.0	%REC		70-130		SW8260B	12/20/07 16:58 / jdh
Surr: Dibromofluoromethane	96.0	%REC		70-130		SW8260B	12/20/07 16:58 / jdh
Surr: p-Bromofluorobenzene	88.0	%REC		70-130		SW8260B	12/20/07 16:58 / jdh
Surr: Toluene-d8	100	%REC		70-130		SW8260B	12/20/07 16:58 / jdh
Surr: Ethylbenzene-d10	96.0	%REC		70-130		SW8260B	12/20/07 16:58 / jdh
SEMI-VOLATILE ORGANIC COMPOUNDS							
Phenyl Acetylene, Chlorinated	8	ug/L		5		SW8260B	12/20/07 16:58 / jdh
NON-VOLATILE ORGANIC COMPOUNDS							
1,2-Dichloroethane	1.75	ug/L		5.0		SW8260B	12/20/07 16:58 / jdh
VOLATILE ORGANIC COMPOUNDS							
Acetone	40	ug/L		20		SW8260B	12/20/07 16:58 / jdh
Acetophenone	40	ug/L		20		SW8260B	12/20/07 16:58 / jdh
Alcohols	40	ug/L		2.0		SW8260B	12/20/07 16:58 / jdh
Carbon tetrachloride	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chloroacetaldehyde	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chloroform	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, o-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, p-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, m-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, o-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, p-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, m-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, o-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, p-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, m-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, o-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, p-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, m-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, o-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, p-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, m-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, o-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, p-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, m-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, o-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, p-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, m-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, o-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, p-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, m-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, o-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, p-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, m-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, o-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, p-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, m-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 16:58 / jdh
Chlorobenzene, o-chlorophenyl	40	ug/L		1.0		SW8260B	12/20/07 1

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07120232-003
Client Sample ID: MW-5

Report Date: 01/08/08
Collection Date: 12/19/07 11:00
Date Received: 12/20/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.6	s.u.		0.1		A4500-H B	12/20/07 15:10 / sld
Conductivity	880	umhos/cm		1		A2510 B	12/27/07 10:11 / abb
INORGANICS							
Sulfate	49	mg/L		1		A4500-SO4 E	01/02/08 13:29 / abb
Chloride	9	mg/L		1		A4500-Cl C	12/28/07 13:51 / sld
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	4	mg/L		1		E410.4	01/04/08 15:00 / sld
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	1.70	mg/L		0.01		E353.2	12/26/07 11:12 / sld
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/20/07 17:28 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	12/20/07 17:28 / jdh
Benzene	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07120232-003
Client Sample ID: MW-5

Report Date: 01/08/08
Collection Date: 12/19/07 11:00
Date Received: 12/20/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
2-Hexanone	ND	ug/L		20		SW8260B	12/20/07 17:28 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/20/07 17:28 / jdh
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/20/07 17:28 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Styrene	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Toluene	0.20	ug/L	J	1.0		SW8260B	12/20/07 17:28 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Trichloroethene	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/20/07 17:28 / jdh
Surr: 1,2-Dichloroethane-d4	96.0	%REC		70-130		SW8260B	12/20/07 17:28 / jdh
Surr: Dibromofluoromethane	98.0	%REC		70-130		SW8260B	12/20/07 17:28 / jdh
Surr: p-Bromofluorobenzene	93.0	%REC		70-130		SW8260B	12/20/07 17:28 / jdh
Surr: Toluene-d8	94.0	%REC		70-130		SW8260B	12/20/07 17:28 / jdh

- The sample was received in the laboratory at a pH >2. The pH was 7.0.

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07120232-004
Client Sample ID: Trip Blank TB11707(jh)(b)

Report Date: 01/08/08
Collection Date: 12/19/07 11:00
Date Received: 12/20/07
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/20/07 14:29 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	12/20/07 14:29 / jdh
Benzene	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
2-Hexanone	ND	ug/L		20		SW8260B	12/20/07 14:29 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/20/07 14:29 / jdh
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/20/07 14:29 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Styrene	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Toluene	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07120232-004
Client Sample ID: Trip Blank TB11707(jh)(b)

Report Date: 01/08/08
Collection Date: 12/19/07 11:00
Date Received: 12/20/07
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/20/07 14:29 / jdh
Surr: 1,2-Dichloroethane-d4	89.0	%REC		70-130		SW8260B	12/20/07 14:29 / jdh
Surr: Dibromofluoromethane	92.0	%REC		70-130		SW8260B	12/20/07 14:29 / jdh
Surr: p-Bromofluorobenzene	96.0	%REC		70-130		SW8260B	12/20/07 14:29 / jdh
Surr: Toluene-d8	91.0	%REC		70-130		SW8260B	12/20/07 14:29 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 12/24/07
Work Order: H07120232

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Analytical Run: 1SATURN_071221A		
Sample ID: CCV122007A	Continuing Calibration Verification Standard							12/20/07 07:48	
Acetone	42.0	ug/L	20	84	70	130			
Acrylonitrile	47.6	ug/L	20	95	70	130			
Benzene	5.36	ug/L	1.0	107	70	130			
Bromochloromethane	4.88	ug/L	1.0	98	70	130			
Bromodichloromethane	4.68	ug/L	1.0	94	70	130			
Bromoform	5.36	ug/L	1.0	107	70	130			
Bromomethane	4.80	ug/L	1.0	96	70	130			
Carbon disulfide	5.72	ug/L	1.0	114	70	130			
Carbon tetrachloride	5.12	ug/L	1.0	102	70	130			
Chlorobenzene	4.72	ug/L	1.0	94	70	130			
Chlorodibromomethane	5.04	ug/L	1.0	101	70	130			
Chloroethane	5.16	ug/L	1.0	103	70	130			
Chloroform	4.52	ug/L	1.0	90	80	120			
Chloromethane	6.24	ug/L	1.0	125	70	130			
1,2-Dibromo-3-chloropropane	4.08	ug/L	1.0	82	70	130			
1,2-Dibromoethane	6.32	ug/L	1.0	126	70	130			
Dibromomethane	5.04	ug/L	1.0	101	70	130			
1,2-Dichlorobenzene	4.92	ug/L	1.0	98	70	130			
1,4-Dichlorobenzene	5.20	ug/L	1.0	104	70	130			
trans-1,4-Dichloro-2-butene	5.52	ug/L	1.0	110	70	130			
Dichlorodifluoromethane	5.44	ug/L	1.0	109	70	130			
1,1-Dichloroethane	5.28	ug/L	1.0	106	70	130			
1,2-Dichloroethane	4.72	ug/L	1.0	94	70	130			
1,1-Dichloroethene	4.88	ug/L	1.0	98	80	120			
cis-1,2-Dichloroethene	4.64	ug/L	1.0	93	70	130			
trans-1,2-Dichloroethene	5.24	ug/L	1.0	105	70	130			
1,2-Dichloropropane	5.24	ug/L	1.0	105	80	120			
cis-1,3-Dichloropropene	5.08	ug/L	1.0	102	70	130			
trans-1,3-Dichloropropene	5.56	ug/L	1.0	111	70	130			
Ethylbenzene	4.68	ug/L	1.0	94	80	120			
2-Hexanone	42.4	ug/L	20	85	70	130			
Iodomethane	4.72	ug/L	1.0	94	70	130			
Methyl ethyl ketone	41.2	ug/L	20	82	70	130			
Methyl isobutyl ketone	41.6	ug/L	20	83	70	130			
Methylene chloride	4.48	ug/L	1.0	90	70	130			
Styrene	4.80	ug/L	1.0	96	70	130			
1,1,1,2-Tetrachloroethane	4.92	ug/L	1.0	98	70	130			
1,1,2,2-Tetrachloroethane	5.20	ug/L	1.0	104	70	130			
Tetrachloroethene	5.04	ug/L	1.0	101	70	130			
Toluene	4.92	ug/L	1.0	98	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 12/24/07
Work Order: H07120232

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Analytical Run: 1SATURN_071221A		
Sample ID: CCV122007A	Continuing Calibration Verification Standard							12/20/07 07:48	
1,1,1-Trichloroethane	4.96	ug/L	1.0	99	70	130			
1,1,2-Trichloroethane	5.20	ug/L	1.0	104	70	130			
Trichloroethene	5.44	ug/L	1.0	109	70	130			
Trichlorofluoromethane	5.64	ug/L	1.0	113	70	130			
1,2,3-Trichloropropane	6.04	ug/L	1.0	121	70	130			
Vinyl acetate	4.08	ug/L	1.0	82	70	130			
Vinyl chloride	5.28	ug/L	1.0	106	80	120			
m+p-Xylenes	8.96	ug/L	1.0	90	70	130			
o-Xylene	4.52	ug/L	1.0	90	70	130			
Xylenes, Total	13.5	ug/L	1.0	90	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	92	70	130			
Surr: Dibromofluoromethane			1.0	91	70	130			
Surr: p-Bromofluorobenzene			1.0	94	70	130			
Surr: Toluene-d8			1.0	100	70	130			

Method: SW8260B							Batch: R42278		
Sample ID: LCS122007A	Laboratory Control Sample				Run: 1SATURN_071221A		12/20/07 08:30		
Acetone	56.0	ug/L	20	112	70	130			
Acrylonitrile	54.0	ug/L	20	108	70	130			
Benzene	5.52	ug/L	1.0	110	70	130			
Bromochloromethane	4.96	ug/L	1.0	99	70	130			
Bromodichloromethane	4.60	ug/L	1.0	92	70	130			
Bromoform	5.52	ug/L	1.0	110	70	130			
Bromomethane	4.88	ug/L	1.0	98	70	130			
Carbon disulfide	5.80	ug/L	1.0	116	70	130			
Carbon tetrachloride	5.20	ug/L	1.0	104	70	130			
Chlorobenzene	4.76	ug/L	1.0	95	70	130			
Chlorodibromomethane	4.92	ug/L	1.0	98	70	130			
Chloroethane	4.52	ug/L	1.0	90	70	130			
Chloroform	4.68	ug/L	1.0	94	70	130			
Chloromethane	6.32	ug/L	1.0	126	70	130			
1,2-Dibromo-3-chloropropane	4.36	ug/L	1.0	87	70	130			
1,2-Dibromoethane	5.96	ug/L	1.0	119	70	130			
Dibromomethane	4.72	ug/L	1.0	94	70	130			
1,2-Dichlorobenzene	5.20	ug/L	1.0	104	70	130			
1,4-Dichlorobenzene	5.20	ug/L	1.0	104	70	130			
trans-1,4-Dichloro-2-butene	5.24	ug/L	1.0	105	70	130			
Dichlorodifluoromethane	5.68	ug/L	1.0	114	70	130			
1,1-Dichloroethane	5.28	ug/L	1.0	106	70	130			
1,2-Dichloroethane	4.64	ug/L	1.0	93	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 12/24/07
Work Order: H07120232

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R42278		
Sample ID: LCS122007A	Laboratory Control Sample				Run: 1SATURN_071221A		12/20/07 08:30		
1,1-Dichloroethene	5.28	ug/L	1.0	106	70	130			
cis-1,2-Dichloroethene	4.84	ug/L	1.0	97	70	130			
trans-1,2-Dichloroethene	5.16	ug/L	1.0	103	70	130			
1,2-Dichloropropane	5.44	ug/L	1.0	109	70	130			
cis-1,3-Dichloropropene	4.80	ug/L	1.0	96	70	130			
trans-1,3-Dichloropropene	4.84	ug/L	1.0	97	70	130			
Ethylbenzene	4.84	ug/L	1.0	97	70	130			
2-Hexanone	48.8	ug/L	20	98	70	130			
Iodomethane	4.68	ug/L	1.0	94	70	130			
Methyl ethyl ketone	47.6	ug/L	20	95	70	130			
Methyl isobutyl ketone	46.0	ug/L	20	92	70	130			
Methylene chloride	4.64	ug/L	1.0	93	70	130			
Styrene	4.80	ug/L	1.0	96	70	130			
1,1,1,2-Tetrachloroethane	5.08	ug/L	1.0	102	70	130			
1,1,1,2,2-Tetrachloroethane	5.12	ug/L	1.0	102	70	130			
Tetrachloroethene	4.96	ug/L	1.0	99	70	130			
Toluene	4.84	ug/L	1.0	97	70	130			
1,1,1-Trichloroethane	5.16	ug/L	1.0	103	70	130			
1,1,2-Trichloroethane	4.80	ug/L	1.0	96	70	130			
Trichloroethene	5.24	ug/L	1.0	105	70	130			
Trichlorofluoromethane	6.00	ug/L	1.0	120	70	130			
1,2,3-Trichloropropane	6.04	ug/L	1.0	121	70	130			
Vinyl acetate	4.76	ug/L	1.0	95	70	130			
Vinyl chloride	5.20	ug/L	1.0	104	70	130			
m+p-Xylenes	9.56	ug/L	1.0	96	70	130			
o-Xylene	4.64	ug/L	1.0	93	70	130			
Xylenes, Total	14.2	ug/L	1.0	95	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	90	70	130			
Surr: Dibromofluoromethane			1.0	89	70	130			
Surr: p-Bromofluorobenzene			1.0	94	70	130			
Surr: Toluene-d8			1.0	97	70	130			
Sample ID: MBLK122007A	Method Blank				Run: 1SATURN_071221A		12/20/07 09:39		
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 12/24/07

Work Order: H07120232

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R42278		
Sample ID: MBLK122007A	Method Blank		Run: 1SATURN_071221A				12/20/07 09:39		
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 12/24/07

Work Order: H07120232

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R42278		
Sample ID: MBLK122007A	Method Blank		Run: 1SATURN_071221A				12/20/07 09:39		
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	99	70	130			
Surr: Dibromofluoromethane			1.0	95	70	130			
Surr: p-Bromofluorobenzene			1.0	92	70	130			
Surr: Toluene-d8			1.0	94	70	130			
Sample ID: H07120224-002CMS	Sample Matrix Spike		Run: 1SATURN_071221A				12/20/07 14:59		
Acetone	49.6	ug/L	20	99	70	130			
Acrylonitrile	45.6	ug/L	20	91	70	130			
Benzene	5.24	ug/L	1.0	105	70	130			
Bromochloromethane	5.12	ug/L	1.0	102	70	130			
Bromodichloromethane	4.36	ug/L	1.0	87	70	130			
Bromoform	5.56	ug/L	1.0	111	70	130			
Bromomethane	4.96	ug/L	1.0	99	70	130			
Carbon disulfide	5.68	ug/L	1.0	114	70	130			
Carbon tetrachloride	5.12	ug/L	1.0	102	70	130			
Chlorobenzene	4.56	ug/L	1.0	91	70	130			
Chlorodibromomethane	5.16	ug/L	1.0	103	70	130			
Chloroethane	4.48	ug/L	1.0	90	70	130			
Chloroform	4.76	ug/L	1.0	95	70	130			
Chloromethane	6.44	ug/L	1.0	129	70	130			
1,2-Dibromo-3-chloropropane	4.56	ug/L	1.0	91	70	130			
1,2-Dibromoethane	6.28	ug/L	1.0	126	70	130			
Dibromomethane	4.44	ug/L	1.0	89	70	130			
1,2-Dichlorobenzene	5.08	ug/L	1.0	102	70	130			
1,4-Dichlorobenzene	5.12	ug/L	1.0	102	70	130			
trans-1,4-Dichloro-2-butene	5.52	ug/L	1.0	110	70	130			
Dichlorodifluoromethane	5.44	ug/L	1.0	109	70	130			
1,1-Dichloroethane	5.24	ug/L	1.0	105	70	130			
1,2-Dichloroethane	4.48	ug/L	1.0	90	70	130			
1,1-Dichloroethene	5.12	ug/L	1.0	102	70	130			
cis-1,2-Dichloroethene	4.76	ug/L	1.0	95	70	130			
trans-1,2-Dichloroethene	4.92	ug/L	1.0	98	70	130			
1,2-Dichloropropane	5.20	ug/L	1.0	104	70	130			
cis-1,3-Dichloropropene	4.60	ug/L	1.0	92	70	130			
trans-1,3-Dichloropropene	4.64	ug/L	1.0	93	70	130			
Ethylbenzene	4.72	ug/L	1.0	94	70	130			
2-Hexanone	46.0	ug/L	20	92	70	130			
Iodomethane	4.40	ug/L	1.0	88	70	130			
Methyl ethyl ketone	46.8	ug/L	20	94	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 12/24/07
Work Order: H07120232

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R42278		
Sample ID: H07120224-002CMS	Sample Matrix Spike			Run: 1SATURN_071221A			12/20/07 14:59		
Methyl isobutyl ketone	45.2	ug/L	20	90	70	130			
Methylene chloride	4.56	ug/L	1.0	91	70	130			
Styrene	4.64	ug/L	1.0	93	70	130			
1,1,1,2-Tetrachloroethane	4.68	ug/L	1.0	94	70	130			
1,1,2,2-Tetrachloroethane	4.88	ug/L	1.0	98	70	130			
Tetrachloroethene	4.80	ug/L	1.0	96	70	130			
Toluene	4.64	ug/L	1.0	93	70	130			
1,1,1-Trichloroethane	5.08	ug/L	1.0	102	70	130			
1,1,2-Trichloroethane	4.56	ug/L	1.0	91	70	130			
Trichloroethene	4.92	ug/L	1.0	98	70	130			
Trichlorofluoromethane	5.92	ug/L	1.0	118	70	130			
1,2,3-Trichloropropane	6.24	ug/L	1.0	125	70	130			
Vinyl acetate	4.40	ug/L	1.0	88	70	130			
Vinyl chloride	4.92	ug/L	1.0	98	70	130			
m+p-Xylenes	8.92	ug/L	1.0	89	70	130			
o-Xylene	4.44	ug/L	1.0	89	70	130			
Xylenes, Total	13.4	ug/L	1.0	89	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	90	70	130			
Surr: Dibromofluoromethane			1.0	93	70	130			
Surr: p-Bromofluorobenzene			1.0	93	70	130			
Surr: Toluene-d8			1.0	93	70	130			
Sample ID: H07120224-002CMSD	Sample Matrix Spike Duplicate			Run: 1SATURN_071221A			12/20/07 15:29		
Acetone	48.4	ug/L	20	97	70	130	2.4	20	
Acrylonitrile	50.4	ug/L	20	101	70	130	10	20	
Benzene	5.12	ug/L	1.0	102	70	130	2.3	20	
Bromochloromethane	4.56	ug/L	1.0	91	70	130	12	20	
Bromodichloromethane	4.80	ug/L	1.0	96	70	130	9.6	20	
Bromoform	4.88	ug/L	1.0	98	70	130	13	20	
Bromomethane	4.84	ug/L	1.0	97	70	130	2.4	20	
Carbon disulfide	5.96	ug/L	1.0	119	70	130	4.8	20	
Carbon tetrachloride	4.60	ug/L	1.0	92	70	130	11	20	
Chlorobenzene	4.60	ug/L	1.0	92	70	130	0.9	20	
Chlorodibromomethane	4.96	ug/L	1.0	99	70	130	4.0	20	
Chloroethane	4.52	ug/L	1.0	90	70	130	0.9	20	
Chloroform	4.24	ug/L	1.0	85	70	130	12	20	
Chloromethane	5.92	ug/L	1.0	118	70	130	8.4	20	
1,2-Dibromo-3-chloropropane	4.16	ug/L	1.0	83	70	130	9.2	20	
1,2-Dibromoethane	5.72	ug/L	1.0	114	70	130	9.3	20	
Dibromomethane	4.60	ug/L	1.0	92	70	130	3.5	20	
1,2-Dichlorobenzene	4.76	ug/L	1.0	95	70	130	6.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 12/24/07
Work Order: H07120232

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R42278
Sample ID: H07120224-002CMSD	Sample Matrix Spike Duplicate				Run: 1SATURN_071221A				12/20/07 15:29
1,4-Dichlorobenzene	4.88	ug/L	1.0	98	70	130	4.8	20	
trans-1,4-Dichloro-2-butene	4.84	ug/L	1.0	97	70	130	13	20	
Dichlorodifluoromethane	5.32	ug/L	1.0	106	70	130	2.2	20	
1,1-Dichloroethane	4.76	ug/L	1.0	95	70	130	9.6	20	
1,2-Dichloroethane	4.64	ug/L	1.0	93	70	130	3.5	20	
1,1-Dichloroethene	4.76	ug/L	1.0	95	70	130	7.3	20	
cis-1,2-Dichloroethene	4.60	ug/L	1.0	92	70	130	3.4	20	
trans-1,2-Dichloroethene	4.68	ug/L	1.0	94	70	130	5.0	20	
1,2-Dichloropropane	5.40	ug/L	1.0	108	70	130	3.8	20	
cis-1,3-Dichloropropene	4.80	ug/L	1.0	96	70	130	4.3	20	
trans-1,3-Dichloropropene	5.08	ug/L	1.0	102	70	130	9.1	20	
Ethylbenzene	4.64	ug/L	1.0	93	70	130	1.7	20	
2-Hexanone	54.4	ug/L	20	109	70	130	17	20	
Iodomethane	4.76	ug/L	1.0	95	70	130	7.9	20	
Methyl ethyl ketone	46.0	ug/L	20	92	70	130	1.7	20	
Methyl isobutyl ketone	48.0	ug/L	20	96	70	130	6.0	20	
Methylene chloride	4.56	ug/L	1.0	91	70	130	0.0	20	
Styrene	4.76	ug/L	1.0	95	70	130	2.6	20	
1,1,1,2-Tetrachloroethane	4.88	ug/L	1.0	98	70	130	4.2	20	
1,1,2,2-Tetrachloroethane	4.56	ug/L	1.0	91	70	130	6.8	20	
Tetrachloroethene	4.88	ug/L	1.0	98	70	130	1.7	20	
Toluene	4.76	ug/L	1.0	95	70	130	2.6	20	
1,1,1-Trichloroethane	4.72	ug/L	1.0	94	70	130	7.3	20	
1,1,2-Trichloroethane	5.08	ug/L	1.0	102	70	130	11	20	
Trichloroethene	5.08	ug/L	1.0	102	70	130	3.2	20	
Trichlorofluoromethane	5.76	ug/L	1.0	115	70	130	2.7	20	
1,2,3-Trichloropropane	4.96	ug/L	1.0	99	70	130	23	20	R
Vinyl acetate	4.64	ug/L	1.0	93	70	130	5.3	20	
Vinyl chloride	4.80	ug/L	1.0	96	70	130	2.5	20	
m+p-Xylenes	9.20	ug/L	1.0	92	70	130	3.1	20	
o-Xylene	4.52	ug/L	1.0	90	70	130	1.8	20	
Xylenes, Total	13.7	ug/L	1.0	91	70	130	2.7	20	
Surr: 1,2-Dichloroethane-d4			1.0	93	70	130	0.0	20	
Surr: Dibromofluoromethane			1.0	88	70	130	0.0	20	
Surr: p-Bromofluorobenzene			1.0	90	70	130	0.0	20	
Surr: Toluene-d8			1.0	97	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 12/24/07
Work Order: H07120232

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Analytical Run: 1SATURN_071222A		
Sample ID: CCV122207A							Continuing Calibration Verification Standard		
							12/22/07 09:12		
cis-1,2-Dichloroethene	4.60	ug/L	1.0	92	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	91	70	130			
Surr: Dibromofluoromethane			1.0	88	70	130			
Surr: p-Bromofluorobenzene			1.0	89	70	130			
Surr: Toluene-d8			1.0	95	70	130			
Method: SW8260B							Batch: R42297		
Sample ID: LCS122207A							Laboratory Control Sample		
							Run: 1SATURN_071222A		
							12/22/07 09:47		
cis-1,2-Dichloroethene	4.84	ug/L	1.0	97	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	88	70	130			
Surr: Dibromofluoromethane			1.0	93	70	130			
Surr: p-Bromofluorobenzene			1.0	87	70	130			
Surr: Toluene-d8			1.0	98	70	130			
Sample ID: MBLK122207A							Method Blank		
							Run: 1SATURN_071222A		
							12/22/07 10:51		
cis-1,2-Dichloroethene	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	93	70	130			
Surr: Dibromofluoromethane			1.0	94	70	130			
Surr: p-Bromofluorobenzene			1.0	83	70	130			
Surr: Toluene-d8			1.0	93	70	130			
Sample ID: H07120257-002AMS							Sample Matrix Spike		
							Run: 1SATURN_071222A		
							12/22/07 11:20		
cis-1,2-Dichloroethene	9.76	ug/L	2.0	98	70	130			
Surr: 1,2-Dichloroethane-d4			2.0	92	70	130			
Surr: Dibromofluoromethane			2.0	91	70	130			
Surr: p-Bromofluorobenzene			2.0	88	70	130			
Surr: Toluene-d8			2.0	97	70	130			
Sample ID: H07120257-002AMSD							Sample Matrix Spike Duplicate		
							Run: 1SATURN_071222A		
							12/22/07 11:50		
cis-1,2-Dichloroethene	10.6	ug/L	2.0	106	70	130	7.9	20	
Surr: 1,2-Dichloroethane-d4			2.0	99	70	130	0.0	20	
Surr: Dibromofluoromethane			2.0	96	70	130	0.0	20	
Surr: p-Bromofluorobenzene			2.0	86	70	130	0.0	20	
Surr: Toluene-d8			2.0	100	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 01/08/08
Work Order: H07120232

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B					Batch: 071227A-COND-PROBE-W				
Sample ID: LCS1_071227A	Laboratory Control Sample				Run: COND_071227A		12/27/07 09:56		
Conductivity	725	umhos/cm	1.0	101	90	110			
Method: A4500-Cl C					Batch: 071228A-CL-TTR-W				
Sample ID: MBLK1_071228A	Method Blank				Run: TITTR_071228A		12/28/07 13:42		
Chloride	ND	mg/L	0.7						
Sample ID: LCS1_071228A	Laboratory Control Sample				Run: TITTR_071228A		12/28/07 13:42		
Chloride	95.0	mg/L	1.0	95	90	110			
Sample ID: H07120233-004AMS	Sample Matrix Spike				Run: TITTR_071228A		12/28/07 14:02		
Chloride	11.5	mg/L	1.0	100	90	110			
Sample ID: H07120233-004AMSD	Sample Matrix Spike Duplicate				Run: TITTR_071228A		12/28/07 14:07		
Chloride	11.5	mg/L	1.0	100	90	110	20		
Method: A4500-H B					Batch: 071220A-PH-W				
Sample ID: LCS1_071220A	Laboratory Control Sample				Run: PH_071220A		12/20/07 14:57		
pH	7.01	s.u.	0.10	100	99	101			
Method: A4500-SO4 E					Batch: 071228A-SO4-TURB-W				
Sample ID: MBLK1_071228A	Method Blank				Run: TURBIDITY_080102A		01/02/08 13:15		
Sulfate	ND	mg/L	0.6						
Sample ID: LCS1_071228A	Laboratory Control Sample				Run: TURBIDITY_080102A		01/02/08 13:15		
Sulfate	101	mg/L	1.1	101	90	110			
Sample ID: H07120163-011AMS	Sample Matrix Spike				Run: TURBIDITY_080102A		01/02/08 13:28		
Sulfate	18.3	mg/L	1.0	91	80	120			
Sample ID: H07120163-011AMSD	Sample Matrix Spike Duplicate				Run: TURBIDITY_080102A		01/02/08 13:28		
Sulfate	18.3	mg/L	1.0	91	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 01/08/08
Work Order: H07120232

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Analytical Run: SUB-B104461		
Sample ID: QCS	Initial Calibration Verification Standard								12/26/07 18:15
Iron	4.98	mg/L	0.030	100	90	110			
Method: E200.7							Batch: B_R104461		
Sample ID: MB-TJADIS071221A	Method Blank								12/26/07 18:45
Iron	ND	mg/L	0.005						
Sample ID: LFB-TJADIS071221A	Laboratory Fortified Blank								12/26/07 18:48
Iron	4.99	mg/L	0.030	100	85	115			
Sample ID: B07121675-005CMS2	Sample Matrix Spike								12/27/07 06:34
Iron	14.11	mg/L	0.030	92	70	130			
Sample ID: B07121675-005CMSD2	Sample Matrix Spike Duplicate								12/27/07 06:38
Iron	14.09	mg/L	0.030	92	70	130	0.2	20	
Method: E200.7							Analytical Run: SUB-B104488		
Sample ID: QCS	Initial Calibration Verification Standard								12/27/07 15:53
Iron	4.85	mg/L	0.030	97	90	110			
Method: E200.7							Batch: B_R104488		
Sample ID: MB-TJADIS071227A	Method Blank								12/27/07 16:24
Iron	ND	mg/L	0.005						
Sample ID: LFB-TJADIS071227A	Laboratory Fortified Blank								12/27/07 16:27
Iron	4.92	mg/L	0.030	98	85	115			
Sample ID: B07121633-001CMS2	Sample Matrix Spike								12/28/07 01:47
Iron	5.935	mg/L	0.030	93	70	130			
Sample ID: B07121633-001CMSD2	Sample Matrix Spike Duplicate								12/28/07 01:51
Iron	5.887	mg/L	0.030	92	70	130	0.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 01/08/08
Work Order: H07120232

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
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Method: E200.8

Analytical Run: SUB-B104345

Sample ID: QCS- 071001A, 071203A, Initial Calibration Verification Standard

12/21/07 16:45

Antimony	0.051	mg/L	0.050	101	90	110			
Arsenic	0.053	mg/L	0.0050	105	90	110			
Barium	0.051	mg/L	0.10	101	90	110			
Cadmium	0.027	mg/L	0.0010	107	90	110			
Chromium	0.053	mg/L	0.010	106	90	110			
Cobalt	0.051	mg/L	0.010	103	90	110			
Copper	0.053	mg/L	0.010	107	90	110			
Lead	0.051	mg/L	0.010	101	90	110			
Mercury	0.0019	mg/L	0.0010	96	90	110			
Nickel	0.054	mg/L	0.010	107	90	110			
Selenium	0.054	mg/L	0.0050	109	90	110			
Thallium	0.051	mg/L	0.10	102	90	110			
Vanadium	0.052	mg/L	0.10	104	90	110			
Zinc	0.054	mg/L	0.010	108	90	110			

Sample ID: QCS-071001A, 071203A, Initial Calibration Verification Standard

12/22/07 02:21

Antimony	0.050	mg/L	0.050	99	90	110			
Arsenic	0.051	mg/L	0.0050	103	90	110			
Barium	0.050	mg/L	0.10	100	90	110			
Cadmium	0.026	mg/L	0.0010	105	90	110			
Chromium	0.051	mg/L	0.010	102	90	110			
Cobalt	0.051	mg/L	0.010	102	90	110			
Copper	0.052	mg/L	0.010	104	90	110			
Lead	0.050	mg/L	0.010	101	90	110			
Mercury	0.0020	mg/L	0.0010	99	90	110			
Nickel	0.051	mg/L	0.010	103	90	110			
Selenium	0.052	mg/L	0.0050	103	90	110			
Thallium	0.050	mg/L	0.10	101	90	110			
Vanadium	0.051	mg/L	0.10	101	90	110			
Zinc	0.053	mg/L	0.010	107	90	110			

Method: E200.8

Batch: B_R104345

Sample ID: LRB

Method Blank

Run: SUB-B104345

12/21/07 17:13

Antimony	ND	mg/L	4E-06
Arsenic	ND	mg/L	4E-05
Barium	6E-05	mg/L	3E-05
Cadmium	ND	mg/L	3E-06
Chromium	ND	mg/L	4E-05
Cobalt	5E-05	mg/L	5E-06
Copper	ND	mg/L	3E-05

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 01/08/08
Work Order: H07120232

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: B_R104345		
Sample ID: LRB	Method Blank		Run: SUB-B104345				12/21/07 17:13		
Lead	ND	mg/L	3E-06						
Mercury	2E-05	mg/L	1E-05						
Nickel	ND	mg/L	3E-05						
Selenium	ND	mg/L	0.0001						
Thallium	1E-05	mg/L	4E-06						
Vanadium	ND	mg/L	3E-05						
Zinc	0.001	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-B104345				12/21/07 17:20		
Antimony	0.051	mg/L	0.050	102	85	115			
Arsenic	0.049	mg/L	0.0050	99	85	115			
Barium	0.051	mg/L	0.10	101	85	115			
Cadmium	0.049	mg/L	0.0010	98	85	115			
Chromium	0.050	mg/L	0.010	100	85	115			
Cobalt	0.049	mg/L	0.010	98	85	115			
Copper	0.049	mg/L	0.010	99	85	115			
Lead	0.050	mg/L	0.010	100	85	115			
Mercury	0.0011	mg/L	0.0010	105	85	115			
Nickel	0.050	mg/L	0.010	100	85	115			
Selenium	0.050	mg/L	0.0050	100	85	115			
Thallium	0.051	mg/L	0.10	101	85	115			
Vanadium	0.051	mg/L	0.10	101	85	115			
Zinc	0.049	mg/L	0.010	96	85	115			
Sample ID: H07120230-005C	Sample Matrix Spike		Run: SUB-B104345				12/22/07 00:07		
Antimony	0.5291	mg/L	0.0050	106	70	130			
Arsenic	0.5346	mg/L	0.0050	101	70	130			
Barium	0.5279	mg/L	0.10	101	70	130			
Cadmium	0.4801	mg/L	0.0010	96	70	130			
Chromium	0.5181	mg/L	0.010	103	70	130			
Cobalt	0.5154	mg/L	0.010	95	70	130			
Copper	0.4967	mg/L	0.010	99	70	130			
Lead	0.5165	mg/L	0.010	103	70	130			
Mercury	0.007500	mg/L	0.0010	75	70	130			
Nickel	0.5567	mg/L	0.010	99	70	130			
Selenium	0.5285	mg/L	0.0050	105	70	130			
Thallium	0.5206	mg/L	0.0050	104	70	130			
Vanadium	0.5327	mg/L	0.10	105	70	130			
Zinc	0.4643	mg/L	0.010	88	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 01/08/08
Work Order: H07120232

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: B_R104345		
Sample ID: H07120230-005C	Sample Matrix Spike Duplicate			Run: SUB-B104345			12/22/07 00:14		
Antimony	0.5329	mg/L	0.0050	107	70	130	0.7	20	
Arsenic	0.5385	mg/L	0.0050	101	70	130	0.7	20	
Barium	0.5356	mg/L	0.10	103	70	130	1.4	20	
Cadmium	0.4850	mg/L	0.0010	97	70	130	1.0	20	
Chromium	0.5243	mg/L	0.010	105	70	130	1.2	20	
Cobalt	0.5213	mg/L	0.010	96	70	130	1.1	20	
Copper	0.5002	mg/L	0.010	99	70	130	0.7	20	
Lead	0.5226	mg/L	0.010	104	70	130	1.2	20	
Mercury	0.008440	mg/L	0.0010	84	70	130	12	20	
Nickel	0.5607	mg/L	0.010	100	70	130	0.7	20	
Selenium	0.5318	mg/L	0.0050	106	70	130	0.6	20	
Thallium	0.5260	mg/L	0.0050	105	70	130	1.0	20	
Vanadium	0.5377	mg/L	0.10	106	70	130	0.9	20	
Zinc	0.4800	mg/L	0.010	91	70	130	3.3	20	
Sample ID: B07121675-005CMS	Sample Matrix Spike			Run: SUB-B104345			12/22/07 04:28		
Antimony	0.05271	mg/L	0.0050	105	70	130			
Arsenic	0.05529	mg/L	0.0050	108	70	130			
Barium	0.08600	mg/L	0.10	101	70	130			
Cadmium	0.05003	mg/L	0.0010	99	70	130			
Chromium	0.05308	mg/L	0.010	106	70	130			
Cobalt	0.05006	mg/L	0.010	98	70	130			
Copper	0.05028	mg/L	0.010	100	70	130			
Lead	0.05244	mg/L	0.010	105	70	130			
Mercury	0.0007200	mg/L	0.0010	72	70	130			
Nickel	0.06687	mg/L	0.010	101	70	130			
Selenium	0.05315	mg/L	0.0050	106	70	130			
Thallium	0.05297	mg/L	0.0050	106	70	130			
Vanadium	0.05394	mg/L	0.10	108	70	130			
Zinc	0.4707	mg/L	0.010		70	130			A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 01/08/08
Work Order: H07120232

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Analytical Run: SUB-B104424		
Sample ID: QCS-ME071001A,071203 Initial Calibration Verification Standard							12/26/07 11:29		
Beryllium	0.026	mg/L	0.0010	103	90	110			
Silver	0.026	mg/L	0.0050	102	90	110			
Method: E200.8							Batch: B_R104424		
Sample ID: LRB Method Blank							Run: SUB-B104424		
Beryllium	ND	mg/L	4E-06						12/26/07 12:10
Silver	ND	mg/L	7E-06						
Sample ID: LFB Laboratory Fortified Blank							Run: SUB-B104424		
Beryllium	0.047	mg/L	0.0010	93	85	115			12/26/07 14:25
Silver	0.020	mg/L	0.0050	99	85	115			
Sample ID: H07120232-001D Sample Matrix Spike							Run: SUB-B104424		
Beryllium	0.2446	mg/L	0.0010	98	70	130			12/26/07 15:13
Silver	0.09425	mg/L	0.0050	94	70	130			
Sample ID: H07120232-001D Sample Matrix Spike Duplicate							Run: SUB-B104424		
Beryllium	0.2386	mg/L	0.0010	95	70	130	2.5	20	12/26/07 15:19
Silver	0.09140	mg/L	0.0050	91	70	130	3.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 01/08/08
Work Order: H07120232

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2			Analytical Run: NUTRIENTS_071227A						
Sample ID: ICV-1	Initial Calibration Verification Standard								12/26/07 09:40
Nitrogen, Nitrate+Nitrite as N	1.00	mg/L	0.050	100	90	110			
Sample ID: CCV-38	Continuing Calibration Verification Standard								12/26/07 10:54
Nitrogen, Nitrate+Nitrite as N	0.530	mg/L	0.050	106	90	110			
Method: E353.2			Batch: A2007-12-26_5_NO3_01						
Sample ID: LCS-2	Laboratory Control Sample		Run: NUTRIENTS_071227A			12/26/07 09:42			
Nitrogen, Nitrate+Nitrite as N	14.8	mg/L	0.095	97	90	110			
Sample ID: LFB-3	Laboratory Fortified Blank		Run: NUTRIENTS_071227A			12/26/07 09:44			
Nitrogen, Nitrate+Nitrite as N	0.530	mg/L	0.050	106	90	110			
Sample ID: MBLK-6	Method Blank		Run: NUTRIENTS_071227A			12/26/07 09:50			
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.010						
Sample ID: H07120233-003BMS	Sample Matrix Spike		Run: NUTRIENTS_071227A			12/26/07 11:20			
Nitrogen, Nitrate+Nitrite as N	1.44	mg/L	0.050	94	90	110			
Sample ID: H07120233-003BMSD	Sample Matrix Spike Duplicate		Run: NUTRIENTS_071227A			12/26/07 11:22			
Nitrogen, Nitrate+Nitrite as N	1.45	mg/L	0.050	95	90	110	0.7	20	
Method: E410.4			Batch: R42318						
Sample ID: MB-R42318	Method Blank		Run: SPECTRO_071227A			12/27/07 15:00			
Oxygen Demand, Chemical (COD)	0.009	mg/L							
Sample ID: LCS-R42318	Laboratory Control Sample		Run: SPECTRO_071227A			12/27/07 15:00			
Oxygen Demand, Chemical (COD)	320	mg/L	1.0	106	90	110			
Sample ID: H07120257-005CMS	Sample Matrix Spike		Run: SPECTRO_071227A			12/27/07 15:00			
Oxygen Demand, Chemical (COD)	26	mg/L	1.0	89	90	110			S
Sample ID: H07120257-005CMSD	Sample Matrix Spike Duplicate		Run: SPECTRO_071227A			12/27/07 15:00			
Oxygen Demand, Chemical (COD)	26	mg/L	1.0	89	90	110	0.0	20	S
Method: E410.4			Batch: R42443						
Sample ID: MB-R42443	Method Blank		Run: SPECTRO_080104A			01/04/08 15:00			
Oxygen Demand, Chemical (COD)	ND	mg/L							
Sample ID: LCS-R42443	Laboratory Control Sample		Run: SPECTRO_080104A			01/04/08 15:00			
Oxygen Demand, Chemical (COD)	300	mg/L	1.0	101	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: MT DEQ
 Project: Mr. M Landfill

Report Date: 01/08/08
 Work Order: H07120232

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Kelada mod							Analytical Run: SUB-B104283		
Sample ID: ICV-1	Initial Calibration Verification Standard							12/21/07 08:43	
Cyanide, Total	0.160	mg/L	0.0050	107	90	110			
Method: Kelada mod							Batch: B_R104283		
Sample ID: LFB-4	Laboratory Fortified Blank							Run: SUB-B104283	
Cyanide, Total	0.105	mg/L	0.0050	105	90	110			12/21/07 08:48
Sample ID: MBLK-5	Method Blank							Run: SUB-B104283	
Cyanide, Total	ND	mg/L	0.001						12/21/07 08:50
Sample ID: B07121672-006DMS	Sample Matrix Spike							Run: SUB-B104283	
Cyanide, Total	0.0938	mg/L	0.0050	94	90	110			12/21/07 10:25
Sample ID: B07121672-006DMSD	Sample Matrix Spike Duplicate							Run: SUB-B104283	
Cyanide, Total	0.0956	mg/L	0.0050	96	90	110			12/21/07 10:27

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: Tetra Tech			Project Name, PWS #, Permit #, Etc.: Mr. M Landfill.											
Report Mail Address: 303 IRENE AND MDEQ MARY Hendrickson			Contact Name, Phone, Fax, E-mail: Sim MAUS 443-5210					Sampler Name if other than Contact: Randy English Shawn Matolyak.						
Invoice Address: Direct Bill to: MDEQ 303 IRENE ST. c/o MARY Hendrickson Solid Waste Program.			Invoice Contact & Phone #: MDEQ c/o MARY Hendrickson Solid Waste Program.					Purchase Order #:		ELI Quote #:				
Report Required For: POTW/WWTP ☐ DW ☐ Other _____			Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other ANALYSIS REQUESTED SEE ATTACHED Normal Turnaround (TAT) RUSH Turnaround (TAT)					Notify ELI prior to RUSH sample submittal for additional charges and scheduling			Shipped by: hand Cooler ID(s):			
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____								Comments: VOC's: Table 1 ARM 17. 50708			Receipt Temp: _____ °C Custody Seal Y ☒ N ☐ Intact Y ☒ N ☐ Signature Match Y ☒ N ☐ Lab ID			
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX										
1 MW- HWB		12/18/07	1443	Water.	X						X	X	LABORATORY USE ONLY	
2 MW- OW1		12/18/07	1720	↓	X						X	X	007120232.001	
3 MW- 5		12/19/07	1100	↓	X						X	X	002	
4 Trip Blank.		—	—	Water	X						X	X	003	
5													004	
6													Note: MW-5 did not fill 250ml poly for Diss Metals; Did not fill 500 ml poly for cyanide. Not enough H ₂ O in well.	
7														
8														
9														
10														
Custody Record MUST be Signed		Relinquished by (print):		Date/Time:		Signature:		Received by (print):		Date/Time:		Signature:		
		Chris Mung		12-20-07 10:05		Chris Mung		Roxanne Pickens		12-20-07 10:06		Roxanne Pickens		
		Relinquished by (print):		Date/Time:		Signature:		Received by (print):		Date/Time:		Signature:		
Sample Disposal:		Return to client:		Lab Disposal:		Sample Type:		LABORATORY USE ONLY # of fractions						

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, & links.

BILLINGS, MT
1120 South 27th (59101)
PO Box 30916 (59107)
CASPER, WY
2393 Salt Creek Highway (82601)
PO Box 3258 (82602)
COLLEGE STATION, TX
415 Graham Road (77845)

Toll Free 800.735.4489
Voice 406.252.6325
Fax 406.252.6069

Toll Free 888.235.0515
Voice 307.235.0515
Fax 307.234.1639

Toll Free 888.690.2218
Voice 979.690.2217
Fax 979.690.2045

GILLETTE, WY
1105 West First Street (82716)
HELENA, MT
3161 E Lyndale Ave. (59601)
PO Box 5688 (59604)

Toll Free 866.686.7175
Voice 307.686.7175
Fax 307.682.4625

Toll Free 877.472.0711
Voice 406.442.0711
Fax 406.442.0712

IDAHO FALLS, ID
258 North Water Avenue
Suite 5 (83402)
RAPID CITY, SD
2821 Plant Street (57702)

Toll Free 866.522.4498
Voice 208.522.4498
Fax 208.522.1049

Toll Free 888.672.1225
Voice 605.342.1225
Fax 605.342.1397

1. Please complete the Chain of Custody with as much detailed information as possible. This information is required so that the appropriate analytical services, reporting and invoicing can be provided for your project.

2. If services other than standard are required for your analytical project, contact ELI *PRIOR* to sample submittal. Additional charges will be applied for the following services: RUSH TAT, NELAC, A2LA, or Level IV reporting, EDD/EDT, etc.

3. ELI provides quotes for project specific sampling requirements that may include, but are not limited to, non-standard reporting limits, odd matrices, RUSH TAT and specific method requests. It is very important to provide the ELI quote number to assure that you receive the quoted pricing for your project.

4. Basic Aqueous Sampling Instructions: Analytical services include preserved and unpreserved sample bottles, preservatives, and shipping containers at no additional cost. In certain cases, additional charges will be made for special sampling containers (i.e. Tedlar or equivalent bags, 3M or equivalent passive monitors). Preservatives are contained in small vials with color-coded caps and labels that correspond to the table below.

Preservative	Cap Color	Label Color
Hydrochloric Acid	Blue	Blue
Nitric Acid	Red	Fluorescent Red
Non-Preserved (raw)	None	White w/Red Print
Phosphoric Acid	White	White w/Black Print
Sodium Hydroxide	Green	Fluorescent Green w/ Black Print
Sulfuric Acid	Yellow	Fluorescent Yellow
Zinc Acetate	Purple	Fluorescent Green w/ Black Print



Chain of Custody and Analytical Request Record

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Page ____ of ____

Company Name: ABC Corporation		Project Name, PWS #, Permit #, Etc.: Rockport Reclamation Project	
Report Mail Address: 1234 Main St. Anywhere, MT 59101		Contact Name, Phone, Fax, E-mail: John Smith 605-444-1234 anyone@email.com	
Invoice Address: P.O. Box 222 City, ST 11111		Invoice Contact & Phone #: Jane Doe 406-555-1212	
Report Required For: POTW/WWTP ☐ DW ☐ Other _____		Purchase Order #: A98765	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format: _____		ELI Quote #: HO1-172	
Number of Containers: _____ Sample Type: A W S V B O Air Water Soils Solids Vegetation Bioassay Other _____		ANALYSIS REQUESTED Radium 226 _____ Ammonia _____ Nitrate _____ SEE ATTACHED Normal Turnaround (TAT) _____ RUSH Turnaround (TAT) _____	
Notify ELI prior to RUSH sample submittal for additional charges and scheduling Comments: Spoke to Joe RE: Rush TAT		Shipped by: _____ Cooler ID(s): _____ Receipt Temp: _____ °C Custody Seal Y N Intact Y N Signature Y N Match _____ Lab ID: _____	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time
MATRIX			
1 MW-1		08/01/01	13:10
2 Soil From Pad		08/02/01	09:47
3			
4			
5			
6			
7			
8			
9			
10			
Custody Record MUST be Signed Relinquished by (print): John Smith Date/Time: 08/09/04 14:15 Signature: John Smith Relinquished by (print): Mary Cook Date/Time: 08/09/04 14:15 Signature: Mary Cook		Received by (print): Mary Cook Date/Time: 08/09/04 14:15 Signature: Mary Cook Received by (print): _____ Date/Time: _____ Signature: _____	
Sample Disposal: Return to client: _____		Lab Disposal: _____	
Sample Type: _____		LABORATORY USE ONLY # of fractions: _____	

In certain circumstances, sample submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly noted on your analytical report.

Fill container with sample and empty contents of preservative vial into container or as instructed. If sample containers are pre-preserved, DO NOT FLUSH or RINSE PRESERVATIVE. Secure lid and invert slowly to mix.

If you are uncertain of the preservative or preparation required for your sampling project, please contact an ELI representative for instructions.

Proper cooling for specific sample matrices is required. ELI provides resealable bags for crushed ice to be packed around the sample(s). Blue ice or equivalent does not maintain the required 4°C temperature. Samples should be securely packed in the shipping containers provided.

5. Sample Disposal: ELI, when applicable, will dispose of all non-hazardous samples. Routinely, hazardous samples will be returned to client. If requested, ELI will dispose of hazardous samples at client's expense.

→ Attach this 3 page parameter list to the Chain of Custody.
 for GW Samples Mr. M Landfill* - Lewistown, MT

TABLE
 GROUNDWATER DETECTION MONITORING PARAMETER LIST
 [REDACTED] SANITARY LANDFILL

1 of 3

Parameter	Method ⁽¹⁾	MDL ⁽²⁾ (mg/l)	PQL ⁽³⁾ (mg/l)	Category ⁽⁴⁾	State ⁽⁵⁾	Federal ⁽⁶⁾
Chloride	9250	0.2	1	2	x	
Nitrate (as N)	353.2 ^(a)	0.005	0.01	3	x	
Sulfate (SO ₄)	9036	1.8	5	2	x	
Chemical Oxygen Demand (COD)	410.2 ^(a)	2.5	5	3	x	
Specific Conductivity	9050	5.1	10	0	x	
pH	9040	-	-	0	x	
Cyanide	9010	0.002	0.005	4	x	
Antimony	7041	0.005	0.01	1	x	x
Arsenic	7061	0.001	0.005	1	x	x
Beryllium	7091	0.001	0.002	1	x	x
Barium	6010	0.03	0.02	1	x	x
Cadmium	7131	0.0002	0.0005	1	x	x
Chromium	7191	0.001	0.002	1	x	x
Cobalt	7201	0.004	0.005	1	x	x
Copper	7211	0.0003	0.001	1	x	x
Iron	6010	0.008	0.05	1	x	
Lead	7421	0.001	0.002	1	x	x
Mercury	7470	0.0002	0.0002	1	x	
Nickel	6010	0.02	0.05	1	x	x
Selenium	7741	0.001	0.005	1	x	x
Silver	7761	0.0001	0.0002	1	x	x
Thallium	7841	0.006	0.01	1	x	x
Vanadium	6010	0.04	0.05	1	x	x
Zinc	6010	0.008	0.02	1	x	x

* Analyze Mr. M GW Samples for
 all Table 1 Parameter of

ARM 17.50.708 + dichlorodifluoromethane

→ Note on Energy Labs Chain of Custody: "Direct Bill to
 MDEQ, C/O Mary Hendrickson, Solid Waste Program"

Energy Copy Lab report to Mary Hendrickson, DEQ; and
 Jim Gross
 Chris Cronin, Tetra Tech, Helena

TABLE (continued)
GROUNDWATER DETECTION MONITORING PARAMETER LIST
SANITARY LANDFILL

M.F. M *2 of 3*

Parameter	Method ^m	MDL ^a (µg/l)	PQL ^a (µg/l)	Category ^a	State ^m	Federal ^m
Acetone	8260	6.3	40	5	x	x
Acrylonitrile	8260	7.2	20	5	x	x
Benzene	8260	0.46	2	5	x	x
Bromochloromethane	8260	0.21	1	5	x	x
Bromodichloromethane	8260	0.16	1	5	x	x
cis-1,3-Dichloropropene	8260	0.26	1	5	x	x
trans-1,3-Dichloropropene	8260	0.23	1	5	x	x
Ethylbenzene	8260	0.15	1	5	x	x
Bromoform	8260	0.30	1	5	x	x
Bromomethane	8260	0.47	2	5	x	x
2-Butanone	8260	6.4	50	5	x	x
Carbon Disulfide	8260	2.8	100	5	x	x
Carbon Tetrachloride	8260	0.37	2	5	x	x
Chlorobenzene	8260	0.22	1	5	x	x
Chlorodibromomethane	8260	0.19	1	5	x	x
Chloroethane	8260	0.26	1	5	x	x
Chloroform	8260	0.20	1	5	x	x
Chloromethane	8260	0.34	1	5	x	x
1,2-Dibromo-3-chloropropane	8260	2.6	15	5	x	x
Dibromomethane	8260	0.40	2	5	x	x
1,2-Dibromoethane	8260	0.23	1	5	x	x
trans-1,4-Dichloro-2-butene	8260	0.66	5	5	x	x
1,2-Dichlorobenzene	8260	0.15	1	5	x	x
1,4-Dichlorobenzene	8260	0.14	1	5	x	x
Dichlorodifluoromethane	8260	0.33	1	5	x	x
1,1-Dichloroethane	8260	0.21	1	5	x	x
1,1-Dichloroethene	8260	0.26	1	5	x	x
cis-1,2-Dichloroethene	8260	0.15	1	5	x	x
trans-1,2-Dichloroethene	8260	0.26	1	5	x	x
1,2-Dichloroethane	8260	0.30	2	5	x	x

TABLE (continued)
GROUNDWATER DETECTION MONITORING PARAMETER LIST
SANITARY LANDFILL

3 of 3

Parameter	Method ^m	MDL ^a (µg/l)	PQL ^a (µg/l)	Category ^a	State ^a	Federal ^a
1,2-Dichloropropane	8260	0.20	1	5	x	x
2-Hexanone	8260	5.20	10	5	x	x
Iodomethane	8260	1.8	10	5	x	x
Methylene Chloride	8260	1.0	5	5	x	x
4-Methyl-2-pentanone	8260	4.4	10	5	x	x
Styrene	8260	0.19	1	5	x	x
1,1,1,2-Tetrachloroethane	8260	0.21	1	5	x	x
1,1,2,2-Tetrachloroethane	8260	0.34	1	5	x	x
Tetrachloroethene	8260	0.16	1	5	x	x
Toluene	8260	0.24	1	5	x	x
1,1,1-Trichloroethane	8260	0.16	1	5	x	x
1,1,2-Trichloroethane	8260	0.69	1	5	x	x
Trichloroethene	8260	0.17	1	5	x	x
Trichlorofluoromethane	8260	0.09	1	5	x	x
1,2,3-Trichloropropane	8260	0.17	1	5	x	x
Vinyl acetate	8260	2.30	10	5	x	x
Vinyl Chloride	8260	0.27	1	5	x	x
Xylenes	8260	0.51	1	5	x	x

- (1) "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," SW-846, third edition, November 1986, as revised December, 1987, unless otherwise noted.
- (2) MDL = "Method Detection Limit" as defined in 40 CFR Part 136.
- (3) PQL = "Practical Quantitation Limit" as defined in 40 CFR Part 258.
- (4) Parameter category as listed in Table 3.
- (5) State required parameters per ARM 16.14.706, November, 1993.
- (6) Federally required parameters per 40 CFR 258, Subtitle D, Appendix I, October 9, 1991.
- (7) EPA Manual 600/4-79-020 "Methods for Chemical Analysis of Water and Waste."
- Note: Dissolved metals will be analyzed per ARM 16.14.706(9).

Energy Laboratories Inc

Workorder Receipt Checklist



MT DEQ

H07120232

Login completed by: Roxanne L. Tubbs

Date and Time Received: 12/20/2007 10:06 AM

Reviewed by: *[Signature]*

Received by: rlt

Reviewed Date: 12/20/07

Carrier name: Hand Del

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	0°C
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☒	Not Applicable ☐

Contact and Corrective Action Comments:

Sulfuric acid added to MW-5 nutrient container in laboratory, unable to preserve to 2.0 pH. 12/20/07 rt

****INVOICE AND REPORT ****

MT DEQ
Mary Hendrickson
PO Box 200901
Helena MT 59620



INVOICE

Invoice Date: January 07, 2008

Invoice No: 280160069

BILL TO: MT DEQ

Attn: Mary Hendrickson
PO Box 200901
Helena, MT 59620

Purchase Order SPB05-894PB

Account Number M1022

TERMS: NET 30 Days

Interest charged after 30 days 1.5% per month.

VISA/MasterCard payments accepted

Project Name: Mr. M Landfill

Page 1

Item	Remarks	Matrix	List Price	Mult	Price	Qty	Test Total
WorkOrder: H07120232							
Metals by ICP/ICPMS, Dissolved		Aqueous	\$305.00	1	\$180.00	2	\$360.00
Chloride		Aqueous	\$10.00	1	\$10.00	3	\$30.00
Cyanide, Total Manual Distillation		Aqueous	\$30.00	1	\$30.00	2	\$60.00
Chemical Oxygen Demand		Aqueous	\$25.00	1	\$25.00	3	\$75.00
Conductivity		Aqueous	\$10.00	1	\$10.00	3	\$30.00
Nitrogen, Nitrate + Nitrite		Aqueous	\$15.00	1	\$15.00	3	\$45.00
pH		Aqueous	\$10.00	1	\$10.00	3	\$30.00
Sulfate		Aqueous	\$10.00	1	\$10.00	3	\$30.00
8260-Volatile Organic Comp, 40 CFR Part 25		Aqueous	\$220.00	1	\$220.00	3	\$660.00

INVOICE Total: \$1,320.00

Amount Received: \$0.00

AMOUNT DUE: \$1,320.00

RECEIVED

JAN 11 2008

Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

Please detach and return this section with your payment. Thank you



REMIT TO: Energy Laboratories Inc
Accounts Receivable
PO Box 30975
Billings, MT 59107-0975

Account Number: M1022
Invoice Number: 280160069
Invoice Date: 01/07/08
Purchase Order: SPB05-894PB
Invoice Total: \$1,320.00
Amount Received: \$0.00
Amount Due: \$1,320.00

M1022 280160069 000132000 0280293168



Tetra Tech, Inc.
303 Irene St.
Helena, MT 59601
(406) 443-5210

RECEIVED

JAN 15 2008

Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

Bill To: MONTANA DEPT OF ENV QUALITY
ATTN: MARY HENDRICKSON
P O BOX 200901
HELENA, MT 59620-0901

INVOICE NUMBER: 50129200
INVOICE DATE: 12/28/2007
SERVICES RENDERED THROUGH: 12/28/2007
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

PROFESSIONAL SERVICES:

Project Number 1156561159 GW SAMPLING MR M LANDFILL
Top Task 300 MR M 2007 GW & METHANE MONITORING

DATE	EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
12-03-2007	Matolyak, Shane Allen	Environmental Scientist I	0.25	\$60.00	\$15.00
12-05-2007	Matolyak, Shane Allen	Environmental Scientist I	0.50	\$60.00	\$30.00
12-06-2007	Matolyak, Shane Allen	Environmental Scientist I	0.25	\$60.00	\$15.00
12-17-2007	Matolyak, Shane Allen	Environmental Scientist I	1.25	\$60.00	\$75.00
12-18-2007	Matolyak, Shane Allen	Environmental Scientist I	10.50	\$60.00	\$630.00
12-19-2007	Matolyak, Shane Allen	Environmental Scientist I	6.25	\$60.00	\$375.00
12-07-2007	English, Randal William	Scientist I	0.25	\$65.00	\$16.25
12-13-2007	English, Randal William	Scientist I	0.75	\$65.00	\$48.75
12-14-2007	English, Randal William	Scientist I	1.00	\$65.00	\$65.00
12-17-2007	English, Randal William	Scientist I	1.00	\$65.00	\$65.00
12-18-2007	English, Randal William	Scientist I	12.00	\$65.00	\$780.00
12-19-2007	English, Randal William	Scientist I	7.00	\$65.00	\$455.00
12-20-2007	English, Randal William	Scientist I	2.00	\$65.00	\$130.00
12-21-2007	English, Randal William	Scientist I	0.25	\$65.00	\$16.25
11-29-2007	Maus, James Michael	Project Manager	1.00	\$90.00	\$90.00
11-30-2007	Maus, James Michael	Project Manager	1.25	\$90.00	\$112.50
12-03-2007	Maus, James Michael	Project Manager	1.50	\$90.00	\$135.00
12-05-2007	Maus, James Michael	Project Manager	0.50	\$90.00	\$45.00
12-10-2007	Maus, James Michael	Project Manager	0.75	\$90.00	\$67.50
12-12-2007	Maus, James Michael	Project Manager	0.75	\$90.00	\$67.50
12-13-2007	Maus, James Michael	Project Manager	1.50	\$90.00	\$135.00
12-19-2007	Maus, James Michael	Project Manager	0.50	\$90.00	\$45.00
TOTAL LABOR			51.00		\$3,413.75

DATE	OTHER DIRECT CHARGES	TYPE	CURRENT QUANTITY	UNIT RATE	CURRENT AMOUNT
12-18-2007	English, Randal William	Field Supplies			\$4.00
12-19-2007	Decon Fluids	Special Usage	2.00	\$4.00	\$8.00
11-19-2007	Laptop Computer	Special Usage	1.00	\$10.00	\$10.00
12-19-2007	English, Randal William	Per Diem			\$15.00
12-19-2007	Matolyak, Shane Allen	Per Diem			\$15.00
12-19-2007	Disposable Bailers	Special Usage	2.00	\$8.50	\$17.00
12-19-2007	Water Level Probe	Special Usage	1.00	\$20.00	\$20.00
12-18-2007	Matolyak, Shane Allen	Per Diem			\$23.00
12-18-2007	English, Randal William	Per Diem			\$30.00
12-19-2007	Disposable Filters	Special Usage	2.00	\$18.00	\$36.00
12-18-2007	English, Randal William	Lodging			\$45.75
12-18-2007	Matolyak, Shane Allen	Lodging			\$45.75
11-19-2007	Methane/O2 Meter	Special Usage	1.00	\$50.00	\$50.00



Tetra Tech, Inc.
 303 Irene St.
 Helena, MT 59601
 (406) 443-5210

Bill To: MONTANA DEPT OF ENV QUALITY
 ATTN: MARY HENDRICKSON
 P O BOX 200901
 HELENA, MT 59620-0901

INVOICE NUMBER: 50129200
INVOICE DATE: 12/28/2007
SERVICES RENDERED THROUGH: 12/28/2007
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

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11-19-2007	Low Flow Sampling Pump	Special Usage	1.00	\$150.00	\$150.00
12-18-2007	Mileage	Special Usage	529.00	\$0.55	\$290.95
TOTAL OTHER DIRECT COSTS					\$760.45
Subtotal Task# 300					\$4,174.20
Total Project# 1156561159					\$4,174.20

TOTAL AMOUNT DUE THIS INVOICE: \$4,174.20

REMIT PAYMENT TO:

Tetra Tech, Inc.
 DEPT 1678
 DENVER, CO 80291-1678

To ensure accurate posting, please note the invoice number on your check. Interest will be charged on all past-due amounts per contract terms and conditions.



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Helena, MT 59601
(406) 443-5210

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HELENA, MT 59620-0901

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DENVER, CO 80291-1678

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#302



TETRA TECH

August 9, 2007

Ms. Mary Louise Hendrickson
Solid Waste Regulatory Program
Waste Management Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, Montana 59620-0901

**RE: June 2007 Groundwater Monitoring Field Notes
Mister M Landfill, Lewistown, Montana**

Dear Ms. Hendrickson:

Enclosed please find field notes and the laboratory analytic report for groundwater sampling performed by Tetra Tech personnel at the Mister M landfill on June 27, 2007. Samples were shipped from our Bozeman office to Energy Laboratories in Helena, Montana on July 2, 2007. Work was completed in accordance with Tetra Tech's cost estimate dated June 5, 2007 and approved by you in a letter to Mr. Chris Cronin dated June 11, 2007.

Also attached are photographs of the site monitoring wells, storm water pond, and a private well.

Please call Jim Maus of Tetra Tech at 443-5210 if you have any questions about this sampling event. I am working to get you our total invoicing by the end of the month.

Thanks again for the opportunity to provide environmental services to your agency. Please let us know if we can be of any further assistance.

Sincerely,

Jim Maus
Project Manager

Enclosures

R
RECEIVED

AUG 13 2007

Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

Tetra Tech

303 Irene Street, Helena, MT 59601

Tel 406.443.5210 Fax 406.449.3729 www.tetrattech.com

6-27-07

8:00 load truck & depart

93150 = starting mileage @ BZV

12:00 Arrive @ Lewistown, pick up LEL meter
check into hotel, get water for decon.

13:00 Arrive on site @ Mr. M.

Locate wells & sample

MW-5 - slow recharge. Pump would drain
causing valve to stick closed before it
exited hose. Had to bail.See groundwater logs & methane log
for applicable data

RECEIVED

AUG 13 2007

DTW (ft)

MW-5 85.71

MW-5M 51.56

MW-6 94.43

MW-6M 49.52

MW-4 17.72

Dept. of Enviro. Quality
Waste & Underground
Tank Management BureauCheck w/ private well owner re sampling
familiar. She showed us the well
behind house which was airtight, rusty,
and had wiring connected to it.

Leave site 5:45 (17:45)

Return to hotel & unpack gear 6:15 (18:15)

6-28-07

8:00 AM load truck & return to site.

DTW

MW-DW1 = 25.36'

MW-DW2 = 32.87

MW-11 = 6.62

MW-3 = 20.29

MW-7/2 = 12.44

MW-10 = 13.60

(over)

DRW

MW-11M = 46.24'

We're short 2 vials of NaOH for preserving cyanide samples. Will hold on to 2 unpreserved monitoring well samples until we get back to office and preserve those if we have any.

Battery on LEL meter is dead. Can not get readings for MW-11M or MW-8. Called TSD to troubleshoot meter. No luck.

DRW

MW-8 = 5.37'

MW-1 = 3.05'

MW-9 → Can not locate

3 photo'd together

MW-FB = Field Blank

leave S.T. 16:15

package & ship samples 17:00

head home

20:45 Back to office & demob = 93515 end mileage

7-02-07

Shipped MW-11M CN sample w/ request that results be included in lab report for all other samples.

METHANE MONITORING LOG

Project: Mr. M Landfill, Lewistown, Montana

Job No.: 6561159

Date:

6/27/07

Personnel:

MFP SAM

Weather: _

Windy Dry

Temp.:

°F

Barometric Pressure: (443-5151)

inches Hg

Instrument

RK Eagle

Calibration Date:

6/26/07

Calibrated To:

Methane []

Hexane []

Isobutylene []

[illegible]

Notes:

GROUNDWATER SAMPLING LOG

Project: Mr. M Landfill

Date: 6/28/07 01500

Station No. MW-HW

Personnel: MFP SAM

Weather: Breeze Dry

Well Locked? Yes ☐ No ☒ Note Any Problems With Condition of Well: Frostless Spigot, pump operational

Casing Dia. & Type: 2-inch PVC ☐ 4-inch PVC ☒ Other: _____ Measuring Point: Top of PVC, north side ☐ Other: _____

Aquifer: _____

Well Depth (ft. below measuring point): Unknown - Depth to Water _____ = _____ ft. water in well

WELL EVACUATION

Evacuation Method: Submersible Pump ☐ Disposable bailer ☐ Spigot ☐ Other: _____

_____ ft. water in well x _____ gal./ft. * = one casing volume _____ gals. x 3 = purge volume _____ gals.

* 2" well = 0.163 gal./ft. 4" well = 0.653 gal./ft. 6" well = 1.469 gal./ft. 8" well = 2.611 gal./ft. Well C feet in diameter = 5.875 x C²

Pumping rate (gpm): 12 gpm

EVACUATION DATA

Time	Cumulative Gallons	Temp	pH	SC	ORP	DO
<u>1437</u>						
<u>1457</u>	<u>240</u>	<u>9.42 °C</u>	<u>7.00</u>	<u>778 uS</u>	<u>5.5 mV</u>	<u>0.85 mg/L</u>

Start Purge *Flow-through*

DO measured: In-well ☐ In water bailed ☐ In water pumped ☒ Other: _____

WELL SAMPLING

Sampling Method: Submersible Pump ☒ Disposable Polyethylene Bailer ☐ Spigot ☐ Grab ☐ Other: _____

Sample Type: Natural ☒ Duplicate ☐ Other: _____

Sample Collected	Parameters	Sample Container	Preservative
Yes ☒ No ☐	VOCs	3 - 40 ml vials	HCl
Yes ☒ No ☐	Metals: dissolved ☒ or total ☐ full list ☐ or reduced list ☐	500 ml poly	HNO ₃
Yes ☒ No ☐	COD, Nitrate as N	250 ml poly	H ₂ SO ₄
Yes ☒ No ☐	pH, SC, sulfate, chloride	250 ml poly	Raw water
Yes ☒ No ☐	Cyanide	500 ml poly	NaOH
Yes ☐ No ☐			

Laboratory: Energy Laboratories, Helena, Montana

Chain-of-Custody: Yes ☒ No ☐

Meter

Model No.

Calibration Date

Decontamination

Water level

pH

SC

ORP

DO

Liquinox: Yes ☐ No ☐

Potable H₂O: Yes ☐ No ☐

DI water: Yes ☐ No ☐

Scrub: Yes ☐ No ☐

Steam: Yes ☐ No ☐

Nitric Acid: Yes ☐ No ☐

Comments: _____

GROUNDWATER SAMPLING LOG

Project: Mr. M Landfill

Date: 6/28/07 14:10

Station No. MW-1

Personnel: MFP SAM

Weather: Breeze, Dry

Well Locked? Yes ☐ No ☐ Note Any Problems With Condition of Well: _____

Casing Dia. & Type: 2-inch PVC ☐ 4-inch PVC ☐ Other _____ Measuring Point: Top of PVC, north side ☐ Other _____

Aquifer: Measured TD

Well Depth (ft. below measuring point): 23.5 - Depth to Water 3.05' = _____ ft. water in well

WELL EVACUATION

Evacuation Method: Submersible Pump ☐ Disposable bailer ☐ Spigot ☐ Other _____

_____ ft. water in well x _____ gal./ft. = one casing volume 3.2 gals. x 3 = purge volume 9.6 gals.

* 2" well = 0.163 gal./ft. 4" well = 0.653 gal./ft. 6" well = 1.469 gal./ft. 8" well = 2.611 gal./ft. Well C feet in diameter = 5.875 x C²

Pumping rate (gpm): Bailed dry at 5 gal.

EVACUATION DATA

Time	Cumulative Gallons	Temp	pH	SC	ORP	DO	Notes
1350	0	10.23	7.05	844	-0.9	1.98	Pre Purge
13:59	3.2	11.73	7.39	841	-4.2	4.82	In situ
1405	3.5	9.8	7.60	812	-	-	Insufficient water
1425	3.5	8.03	7.36	822	-12.8	7.90	In situ
			DO not stabilizing			6.7	dropping slowly Post Purge

DO measured: In-well ☐ In water bailed ☐ In water pumped ☐ Other _____

WELL SAMPLING

Sampling Method: Submersible Pump ☐ Disposable Polyethylene Bailer ☐ Spigot ☐ Grab ☐ Other: _____

Sample Type: Natural ☐ Duplicate ☐ Other: _____

Sample Collected	Parameters	Sample Container	Preservative
Yes ☐ No ☐	VOCs	3 - 40 ml vials	HCl
Yes ☐ No ☐	Metals: dissolved ☐ or total ☐ full list ☐ or reduced list ☐	500 ml poly	HNO ₃
Yes ☐ No ☐	COD, Nitrate as N	250 ml poly	H ₂ SO ₄
Yes ☐ No ☐	pH, SC, sulfate, chloride	250 ml poly	Raw water
Yes ☐ No ☐	Cyanide	500 ml poly	NaOH
Yes ☐ No ☐			

Laboratory: Energy Laboratories, Helena, Montana

Chain-of-Custody: Yes ☐ No ☐

Meter	Model No.	Calibration Date	Decontamination	
Water level	_____	_____	Liquinox: Yes ☐ No ☐	Scrub: Yes ☐ No ☐
pH	_____	_____	Potable H ₂ O: Yes ☐ No ☐	Steam: Yes ☐ No ☐
SC	_____	_____	DI water: Yes ☐ No ☐	Nitric Acid: Yes ☐ No ☐
ORP	_____	_____		
DO	_____	_____		

Comments: Red brown cloudy water, becoming more sediment laden

Can't hear

MW-8 OTGW-5.31'

GROUNDWATER SAMPLING LOG

Project: Mr. M Landfill

Date: 6/28/07 @ 1250

Station No. SED. POND

Personnel: MFP JAM

Weather: Breeze, Dry

Well Locked? Yes [] No [] Note Any Problems With Condition of Well: Sediment Pond

Casing Dia. & Type: 2-inch PVC [] 4-inch PVC [] Other _____ Measuring Point: Top of PVC, north side [] Other _____

Aquifer: _____

Well Depth (ft. below measuring point): N/A - Depth to Water _____ = _____ ft. water in well

WELL EVACUATION

Evacuation Method: Submersible Pump [] Disposable bailer [] Spigot [] Other: NA

_____ ft. water in well x _____ gal./ft. * = one casing volume _____ gals. x 3 = purge volume _____ gals.

* 2" well = 0.163 gal./ft. 4" well = 0.653 gal./ft. 6" well = 1.469 gal./ft. 8" well = 2.611 gal./ft. Well C feet in diameter = 5.875 x C²

Pumping rate (gpm): Observe aquatic life - algae, water bugs, healthy vegetation

EVACUATION DATA

Time	Cumulative Gallons	Temp	pH	SC	ORP	DO
1235	—	19.24°C	7.32 8.27	498 µS	-0.8 mV	7.32 mg/L

DO measured: In-well [] In water bailed [] In water pumped [] Other: In pond ~ 1' below water surface - suspended

WELL SAMPLING

Sampling Method: Submersible Pump [] Disposable Polyethylene Bailer ☒ Spigot [] Grab ☒ Other: _____

Sample Type: Natural ☒ Duplicate [] Other: _____

Sample Collected	Parameters	Sample Container	Preservative
Yes [☒] No []	VOCs	3 - 40 ml vials	HCl
Yes [☒] No []	Metals: dissolved [] or total [] full list [] or reduced list []	500 ml poly	HNO ₃
Yes [☒] No []	COD, Nitrate as N	250 ml poly	H ₂ SO ₄
Yes [☒] No []	pH, SC, sulfate, chloride	250 ml poly	Raw water
Yes [☒] No []	Cyanide	500 ml poly	NaOH
Yes [☒] No []	<u>Oil & grease, phenolics, Phosphorates, BOD, Bacteria, TOC</u>		

Laboratory: Energy Laboratories, Helena, Montana

Chain-of-Custody: Yes [☒] No []

Meter

Model No.

Calibration Date

Decontamination

Water level: _____
 pH: 451-556
 SC: _____
 ORP: _____
 DO: _____

Liquinox: Yes [☒] No [] Scrub: Yes [] No []
 Potable H₂O: Yes [☒] No [] Steam: Yes [] No []
 DI water: Yes [☒] No [] Nitric Acid: Yes [] No []

Comments: Clear water

GROUNDWATER SAMPLING LOG

Project: Mr. M Landfill Date: 6-28-07 12:20 Station No. MW-10
 Personnel: SAM, MFP Weather: Sunny
 Well Locked? Yes ☒ No ☐ Note Any Problems With Condition of Well: NONE
 Casing Dia. & Type: 2-inch PVC ☒ 4-inch PVC ☐ Other _____ Measuring Point: Top of PVC, north side ☒ Other _____
 Aquifer: _____
 Well Depth (ft. below measuring point): 63.6 - Depth to Water 13.60 = 50 ft. water in well
Measured TD = 22.4 8.8

WELL EVACUATION

Evacuation Method: Submersible Pump ☐ Disposable bailer ☐ Spigot ☐ Other _____
50 ft. water in well x 0.163 gal./ft. * = one casing volume 8.15 gals. x 3 = purge volume 24.5 gals.
8.8 * 2" well = 0.163 gal./ft. 4" well = 0.653 gal./ft. 6" well = 1.469 gal./ft. 8" well = 2.611 gal./ft. Well C feet in diameter = 5.875 x C²
1.43 4.3

Pumping rate (gpm): _____

Bailed dry → 12:05 0 7.47 7.24 0.668 4.4 7.99 W.S. 7.0
12:07 2.5 9.13 7.13 0.845 16.3 6.35 PP Purge
12:30 3.5 8.6 6.97 966 1.1 5.33
24.5 7.31 7.09 1039 -3.0 4.66 In situ Post Purge

DO measured: In-well ☐ In water bailed ☐ In water pumped ☐ Other _____

WELL SAMPLING

Sampling Method: Submersible Pump ☐ Disposable Polyethylene Bailer ☐ Spigot ☐ Grab ☐ Other: _____
 Sample Type: Natural ☐ Duplicate ☐ Other: _____

Sample Collected	Parameters	Sample Container	Preservative
Yes ☐ No ☐	VOCs	3 - 40 ml vials	HCl
Yes ☐ No ☐	Metals: dissolved ☐ or total ☐ full list ☐ or reduced list ☐	500 ml poly	HNO ₃
Yes ☐ No ☐	COD, Nitrate as N	250 ml poly	H ₂ SO ₄
Yes ☐ No ☐	pH, SC, sulfate, chloride	250 ml poly	Raw water
Yes ☐ No ☐	Cyanide	500 ml poly	NaOH
Yes ☐ No ☐			

Laboratory: Energy Laboratories, Helena, Montana

Chain-of-Custody: Yes ☐ No ☐

Meter	Model No.	Calibration Date	Decontamination	
Water level	_____	_____	Liquinox: Yes ☐ No ☐	Scrub: Yes ☐ No ☐
pH	_____	_____	Potable H ₂ O: Yes ☐ No ☐	Steam: Yes ☐ No ☐
SC	_____	_____	DI water: Yes ☐ No ☐	Nitric Acid: Yes ☐ No ☐
ORP	_____	_____		
DO	_____	_____		

Comments: TD on well log is 60' but previous samplers noted "well was dry" when tape lowered to depth of 22.4'. There is an obstruction @ 22.4'. Lots of sand in water when bailed. Suspect broken casing at 22.4' w/ remainder of well unusable. Well bailed dry and allowed to recover before sampling. Decent recovery. Adjacent storm water pond has water.

GROUNDWATER SAMPLING LOG

Project: Mr. M Landfill

Date: 6/28/07 @ 11:30

Station No. MW-7/2

Personnel: MFP SAM

Weather: Breeze, Dry

Well Locked? Yes ☐ No ☐ Note Any Problems With Condition of Well: _____

Casing Dia. & Type: 2-inch PVC ☐ 4-inch PVC ☐ Other _____ Measuring Point: Top of PVC, north side ☐ Other _____

Aquifer: _____

Well Depth (ft. below measuring point): 20.31 - Depth to Water 12.44 = 7.87 ft. water in well

WELL EVACUATION

Evacuation Method: Submersible Pump ☐ Disposable bailer ☐ Spigot ☐ Other _____

_____ ft. water in well x _____ gal./ft. * = one casing volume 1.3 gals. x 3 = purge volume 3.4 gals.

* 2" well = 0.163 gal./ft. 4" well = 0.653 gal./ft. 6" well = 1.469 gal./ft. 8" well = 2.611 gal./ft. Well C feet in diameter = 5.875 x C²

Pumping rate (gpm): _____

EVACUATION DATA

Time	Cumulative Gallons	Temp	pH	SC	ORP	DO	In situ Pre Purge
<u>11:00</u>	<u>0</u>	<u>7.93</u>	<u>6.97</u>	<u>1469</u>	<u>23.3</u>	<u>4.71</u>	
<u>11:08</u>	<u>1.3</u>	<u>8.81</u>	<u>6.93</u>	<u>1458</u>	<u>* -6.2</u>	<u>* 6.93</u>	
<u>11:10</u>	<u>2.6</u>	<u>8.63</u>	<u>6.98</u>	<u>1439</u>	<u>* -6.4</u>	<u>* 5.01</u>	
<u>11:15</u>	<u>3.4</u>	<u>8.80</u>	<u>6.97</u>	<u>1454</u>	<u>* -13.8</u>	<u>* 4.36</u>	
<u>11:31</u>	<u>3.4</u>	<u>7.76</u>	<u>6.99</u>	<u>1437</u>	<u>-10.0</u>	<u>4.00</u>	

DO measured: In-well ☐ In water bailed ☐ In water pumped ☐ Other _____

* Bailed water, carefully poured into sample cup

WELL SAMPLING

Sampling Method: Submersible Pump ☐ Disposable Polyethylene Bailer ☒ Spigot ☐ Grab ☐ Other: _____

Sample Type: Natural ☒ Duplicate ☐ Other: _____

Sample Collected	Parameters	Sample Container	Preservative
Yes ☒ No ☐	VOCs	3 - 40 ml vials	HCl
Yes ☒ No ☐	Metals: dissolved ☐ or total ☐ full list ☐ or reduced list ☐	500 ml poly	HNO ₃
Yes ☒ No ☐	COD, Nitrate as N	250 ml poly	H ₂ SO ₄
Yes ☒ No ☐	pH, SC, sulfate, chloride	250 ml poly	Raw water
Yes ☒ No ☐	Cyanide	500 ml poly	NaOH
Yes ☒ No ☐			

Laboratory: Energy Laboratories, Helena, Montana

Chain-of-Custody: Yes ☒ No ☐

Meter	Model No.	Calibration Date
Water level	<u>Water Line</u>	<u>2007</u>
pH	<u>YSI 356</u>	<u>6/28/07</u>
SC	<u>/</u>	<u>/</u>
ORP	<u>/</u>	<u>/</u>
DO	<u>/</u>	<u>/</u>

Decontamination	
Liquinox: Yes ☒ No ☐	Scrub: Yes ☐ No ☐
Potable H ₂ O: Yes ☒ No ☐	Steam: Yes ☐ No ☐
DI water: Yes ☒ No ☐	Nitric Acid: Yes ☐ No ☐

Comments: _____

GROUNDWATER SAMPLING LOG

Project: Mr. M Landfill

Date: 6/28/07 @ 9:30 ^{10:00}

Station No. MW-OW1

Personnel: MFP SAM

Weather: Dry, calm

Well Locked? Yes [] No [☒] Note Any Problems With Condition of Well: 4" PVC casing covered by bucket

Casing Dia. & Type: 2-inch PVC [] 4-inch PVC [☒] Other _____ Measuring Point: Top of PVC, north side [☒] Other _____

Aquifer: _____

Well Depth (ft. below measuring point): 135.73 - Depth to Water 25.36 = 110.37 ft. water in well

WELL EVACUATION

Evacuation Method: Submersible Pump [☒] Disposable bailer [] Spigot [] Other _____

110.37 ft. water in well x _____ gal./ft. * = one casing volume 72 gals. x 3 = purge volume 216 gals.

* 2" well = 0.163 gal./ft. 4" well = 0.653 gal./ft. 6" well = 1.469 gal./ft. 8" well = 2.611 gal./ft. Well C feet in diameter = 5.875 x C²

Pumping rate (gpm): Could not lower pump past 80' below TOC - Set pump at 75'

EVACUATION DATA

Time	Cumulative Gallons	Temp	pH	SC	ORP	DO
<u>905</u>	<u>0</u>	<u>Start pumping</u>				
<u>915</u>	<u>30</u>	<u>2.07°C</u>	<u>7.31</u>	<u>895</u>	<u>-15.7 mV</u>	<u>0.66 mg/L</u>
<u>920</u>	<u>45</u>	<u>2.01</u>	<u>7.37</u>	<u>891</u>	<u>-30.8</u>	<u>0.43</u>
<u>925</u>	<u>60</u>	<u>2.08</u>	<u>7.33</u>	<u>782</u>	<u>-45.9</u>	<u>0.33</u>
<u>945</u>	<u>135</u>	<u>2.12</u>	<u>7.27</u>	<u>724</u>	<u>-20.8</u>	<u>0.29</u>
<u>1007</u>	<u>216</u>	<u>2.19</u>	<u>7.28</u>	<u>716</u>	<u>-7.1</u>	<u>0.31</u>
DO measured:	In-well []	In water bailed []	In water pumped [☒]	Other _____		

WELL SAMPLING

Sampling Method: Submersible Pump [☒] Disposable Polyethylene Bailer [] Spigot [] Grab [] Other _____

Sample Type: Natural [☒] Duplicate [] Other _____

Sample Collected	Parameters	Sample Container	Preservative
Yes [☒] No []	VOCs	3 - 40 ml vials	HCl
Yes [☒] No []	Metals: dissolved [☒] or total [] full list [] or reduced list []	500 ml poly	HNO ₃
Yes [☒] No []	COD, Nitrate as N	250 ml poly	H ₂ SO ₄
Yes [☒] No []	pH, SC, sulfate, chloride	250 ml poly	Raw water
Yes [☒] No []	Cyanide	500 ml poly	NaOH
Yes [] No []			

Laboratory: Energy Laboratories, Helena, Montana

Chain-of-Custody: Yes [☒] No []

Meter

Model No.

Calibration Date

Decontamination

Water level Water Line
pH 7.51
SC 556
ORP 556
DO 556

2007
6/28/07

Liquinox: Yes [☒] No [] Scrub: Yes [] No []
Potable H₂O: Yes [☒] No [] Steam: Yes [] No []
DI water: Yes [☒] No [] Nitric Acid: Yes [] No []

Comments: Water - brown cloudy at purge start, turning clearer at +150 gal
purge

GROUNDWATER SAMPLING LOG

Project: Mr. M Landfill

Date: 6/27/07

Station No. MW-6

Personnel: MFP SAM

Weather: Windy, Dry

Well Locked? Yes ☒ No ☐ Note Any Problems With Condition of Well: Could be cut down a little, otherwise OK

Casing Dia. & Type: 2-inch PVC ☒ 4-inch PVC ☐ Other _____ Measuring Point: Top of PVC, north side ☒ Other _____

Aquifer: _____

Well Depth (ft. below measuring point): 108' - Depth to Water 94.43 = 13.57 ft. water in well

WELL EVACUATION

Evacuation Method: Submersible Pump ☐ Disposable bailer ☒ Spigot ☐ Other _____

13.57 ft. water in well x _____ gal./ft. * = one casing volume 2.2 gals. x 3 = purge volume 6.6 gals.

* 2" well = 0.163 gal./ft. 4" well = 0.653 gal./ft. 6" well = 1.469 gal./ft. 8" well = 2.611 gal./ft. Well C feet in diameter = 5.875 x C²

Pumping rate (gpm): _____

EVACUATION DATA

Time	Cumulative Gallons	Temp	pH	SC	ORP	DO	
15:49	2.2	0.5	9.54	7.24	1.066 ms	*77.6	
15:53	4.4	2.2	9.02	7.21	1.072	*62.4	
16:26	6.6	4.4	3.5	10.28	7.26	1.077	45.3
	6.6						0.91

Pass-sample
Carefully pour
bailer of water
into cup

DO measured: In-well ☐ In water bailed ☐ In water pumped ☐ Other: * Aeration, Bailed water

WELL SAMPLING

Sampling Method: Submersible Pump ☐ Disposable Polyethylene Bailer ☒ Spigot ☐ Grab ☐ Other: _____

Sample Type: Natural ☐ Duplicate ☐ Other: _____

Sample Collected	Parameters	Sample Container	Preservative
Yes ☒ No ☐	VOCs	3 - 40 ml vials	HCl
Yes ☒ No ☐	Metals: dissolved ☒ or total ☐ full list ☐ or reduced list ☐	500 ml poly	HNO ₃
Yes ☒ No ☐	COD, Nitrate as N	250 ml poly	H ₂ SO ₄
Yes ☒ No ☐	pH, SC, sulfate, chloride	250 ml poly	Raw water
Yes ☒ No ☐	Cyanide	500 ml poly	NaOH
Yes ☐ No ☐			

Laboratory: Energy Laboratories, Helena, Montana

Chain-of-Custody: Yes ☒ No ☐

Meter	Model No.	Calibration Date
Water level	<u>Water Line</u>	<u>2007</u>
pH	<u>YSI 556</u>	<u>6/25/07</u>
SC	<u>/</u>	<u>/</u>
ORP	<u>/</u>	<u>/</u>
DO	<u>/</u>	<u>/</u>

Decontamination	
Liquinox: Yes ☒ No ☐	Scrub: Yes ☐ No ☐
Potable H ₂ O: Yes ☒ No ☐	Steam: Yes ☐ No ☐
DI water: Yes ☒ No ☐	Nitric Acid: Yes ☐ No ☐

Comments: Well Bailed Dry @ 3 gallons. Allowed to recover & Sampled

18.7 O₂
49.52

GROUNDWATER SAMPLING LOG

5136

Project: Mr. M Landfill Date: 6/27/07 @ 1400 Station No. MW-5
 Personnel: MFP, SAM Weather: Windy, Dry
 Well Locked? Yes ☐ No ☐ Note Any Problems With Condition of Well: No plug/cap
 Casing Dia. & Type: 2-inch PVC ☐ 4-inch PVC ☐ Other _____ Measuring Point: Top of PVC, north side ☐ Other _____
 Aquifer: _____
 Well Depth (ft. below measuring point): 112' - Depth to Water 85.71 = 26.25 ft. water in well

WELL EVACUATION

Evacuation Method: Submersible Pump ☒ Disposable bailer ☒ Spigot ☐ Other _____
 _____ ft. water in well x _____ gal./ft. * = one casing volume 4.3 gals. x 3 = purge volume ~13.0 gals. 7.9 gal assuming 102' TD

* 2" well = 0.163 gal./ft. 4" well = 0.653 gal./ft. 6" well = 1.469 gal./ft. 8" well = 2.611 gal./ft. Well C feet in diameter = 5.875 x C²

Pumping rate (gpm): Flow = 0.8 gpm Poor recharge, Cannot use Rediflow effectively

EVACUATION DATA

Time	Cumulative Gallons	Temp	pH	SC	ORP	DO	
<u>1336</u>	<u>0-Start</u>						
<u>1342</u>	<u>4.8 3.5</u>	<u>13.59</u>	<u>7.37</u>	<u>991 MS</u>	<u>47 mV</u>	<u>4.67 mg/L</u>	<u>Flow-thru</u>
<u>1425 1348</u>	<u>5.5</u>	<u>11.56</u>	<u>7.47</u>	<u>989</u>	<u>*45</u>	<u>*5.4</u>	<u>-Bailed</u>
<u>1500</u>	<u>6.1</u>	<u>11.46</u>	<u>7.59</u>	<u>974</u>	<u>-1.8</u>	<u>3.45</u>	<u>-Bailed & Carefully poured into container</u>

DO measured: In-well ☐ In water bailed ☒ In water pumped ☐ Other * Bailed, Aerated

WELL SAMPLING

Sampling Method: Submersible Pump ☐ Disposable Polyethylene Bailer ☒ Spigot ☐ Grab ☐ Other: _____
 Sample Type: Natural ☒ Duplicate ☐ Other: _____

Sample Collected	Parameters	Sample Container	Preservative
Yes ☒ No ☐	VOCs	3 - 40 ml vials	HCl
Yes ☒ No ☐	Metals: dissolved ☒ or total ☐ full list ☐ or reduced list ☐	500 ml poly	HNO ₃
Yes ☒ No ☐	COD, Nitrate as N	250 ml poly	H ₂ SO ₄
Yes ☒ No ☐	pH, SC, sulfate, chloride	250 ml poly	Raw water
Yes ☒ No ☐	Cyanide	500 ml poly	NaOH
Yes ☐ No ☐			

Laboratory: Energy Laboratories, Helena, Montana

Chain-of-Custody: Yes ☒ No ☐

Meter	Model No.	Calibration Date	Decontamination	
Water level	<u>water line</u>	<u>2007</u>	Liquinox: Yes ☒ No ☐	Scrub: Yes ☐ No ☐
pH	<u>YSI 556</u>	<u>6/25/07</u>	Potable H ₂ O: Yes ☒ No ☐	Steam: Yes ☐ No ☐
SC	<u>/</u>	<u>/</u>	DI water: Yes ☒ No ☐	Nitric Acid: Yes ☐ No ☐
ORP	<u>/</u>	<u>/</u>		
DO	<u>/</u>	<u>/</u>		

Comments: Water tan-brown at start and cloudy
Well must have 'silted' in 10' because measured TD is 102' DTGW - 94' after
pumping 3.7 gal & 2.6 gal = 2 casing vol. more

GROUNDWATER SAMPLING LOG

Project: Mr. M Landfill

Date: 6/28/09

Station No. Private Well

Personnel: MEK SAM

Weather: Breeze Dry

Well Locked? Yes [] No [☒] Note Any Problems With Condition of Well: _____

Casing Dia. & Type: 2-inch PVC [] 4-inch PVC [☒] Other _____ Measuring Point: Top of PVC, north side [] Other _____

Aquifer: _____

Well Depth (ft. below measuring point): _____ - Depth to Water _____ = _____ ft. water in well

Water Supply well w/

WELL EVACUATION

Evacuation Method: Submersible Pump [☒] Disposable bailer [] Spigot [] Other _____

_____ ft. water in well x _____ gal./ft. * = one casing volume _____ gals. x 3 = purge volume _____ gals.

* 2" well = 0.163 gal./ft. 4" well = 0.653 gal./ft. 6" well = 1.469 gal./ft. 8" well = 2.611 gal./ft. Well C feet in diameter = $5.875 \times C^2$

Pumping rate (gpm): 6 gpm

EVACUATION DATA

Time	Cumulative Gallons	Temp	pH	SC	ORP	DO
<u>1525</u>	<u>Start purge</u>					
<u>1535</u>	<u>60</u>	<u>9.18</u>	<u>7.73</u>	<u>665</u>	<u>0.30</u>	<u>0.13</u>
<u>1545</u>	<u>120</u>	<u>9.16</u>	<u>7.71</u>	<u>665</u>	<u>0.10</u>	<u>-2.2</u>
<u>1555</u>	<u>180</u>	<u>9.19</u>	<u>7.70</u>	<u>664</u>	<u>0.09</u>	<u>-5.2</u>

Flow-through
↓

DO measured: In-well [] In water bailed [] In water pumped [] Other _____

WELL SAMPLING

Sampling Method: Submersible Pump [] Disposable Polyethylene Bailer [] Spigot [] Grab [] Other: _____

Sample Type: Natural [] Duplicate [] Other: _____

Sample Collected	Parameters	Sample Container	Preservative
Yes [] No []	VOCs	3 - 40 ml vials	HCl
Yes [] No []	Metals: dissolved [] or total [] full list [] or reduced list []	500 ml poly	HNO ₃
Yes [] No []	COD, Nitrate as N	250 ml poly	H ₂ SO ₄
Yes [] No []	pH, SC, sulfate, chloride	250 ml poly	Raw water
Yes [] No []	Cyanide	500 ml poly	NaOH
Yes [] No []			

Laboratory: Energy Laboratories, Helena, Montana

Chain-of-Custody: Yes [] No []

Meter

Model No.

Calibration Date

Decontamination

Water level _____

Liquinox: Yes [] No []

Scrub: Yes [] No []

pH _____

Potable H₂O: Yes [] No []

Steam: Yes [] No []

SC _____

DI water: Yes [] No []

Nitric Acid: Yes [] No []

ORP _____

DO _____

Comments: Purged from Frostless spigot near SE corner of home. Clear water. Homeowner had been watering all morning

EQUIPMENT AND SUPPLY USAGE LOG

Employee Name: Shane Magolyak
Field Date: 6-27-07 - 6-28-07

Project Name: Mr. M Landfill
Project Number: 115651159- Task Number: 300

	EQUIPMENT/ SUPPLIES	RATE/ DAY	RATE/ WEEK	TOTAL USED	TOTAL AMOUNT		EQUIPMENT/ SUPPLIES	RATE/ DAY	RATE/ WEEK	TOTAL USED	TOTAL AMOUNT
GROUNDWATER						SURFACE WATER					
	Water Level Meter	\$20.00	\$60.00	3	60		Current Meter (Marsh McBirney)	\$35.00	\$140.00		
	Interface Probe	\$35.00	\$100.00				Current Meter (pygmy/AA)	\$25.00	\$100.00		
						AIR					
	pH, SC, temp. Meter	\$25.00	\$80.00				OVA (FID)	\$100.00	\$400.00		
	pH, SC, ORP, temp. Meter	\$30.00	\$80.00				Photoionization Detector (PID)	\$75.00	\$300.00		
	YSI 556 pH, SC, ORP, DO, temp. Meter	\$75.00	\$300.00	3	225		Hot-Wire Anemometer	\$15.00	\$60.00		
	YSI 55 DO Meter	\$25.00	\$80.00				Methane LEL, O ₂ Meter (Landfill Gas)	\$50.00	\$200.00		
	Turbidity meter	\$25.00	\$100.00				Injection Manifold	\$50.00	\$200.00		
	Zero DO Calibration Packets	\$2.50/each	NA				Magnehelics Gauge Set, per well	\$33.00	NA		
	Disposable Bailers	\$8.50	NA				SVE Trailer	\$80.00	Quote		
	Disposable Filter Bailers	\$12.50	NA				Multi-Meter (O ₂ , CO, LEL)	\$50.00	\$200.00		
	Disposable Filters	\$18.00	NA				Rotron 200 Series Blower	\$35.00	\$140.00		
	Purge Pump (Hand Lift Pump)	\$25.00	\$100.00								
	Peristaltic Pump	\$25.00	\$80.00								
	Redi-flow Sampling Pump With Generator <i>No generator</i>	\$100.00	\$400.00	1	100	INDUSTRIAL HYGIENE					
	Low-Flow Sampling SST Bladder Pump with Compressor and YSI 556	\$150.00	\$600.00				Tyvek Suits	\$20.50/ea.	NA		
	Decon Trailer w/Steam Cleaner	\$80.00	\$320.00				½ Face Respirator Cartridges (OV)	\$10.50/pair	NA		
	Decon Fluids (Nitric, Methanol, Liquinox)	\$4.00/gal	NA				½ Face Respirator Cartridges (P-100)	\$8.00/pair	NA		
	Disposable Sampling Supplies	\$10.00/sample	NA				½ Face Respirator Cartridges (OV/P-100)	\$20.00/pair	NA		
	Disposable Nitrile Gloves	\$25.00/box	NA								
	HACH/CHEMetrics Kit & Supplies	\$5.00/sample	NA								

COMMENTS:

See other side

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: Terra Tech MDEQ/Solid Waste Program			Project Name, PWS #, Permit #, Etc.: Mr. M. Lott II															
Report Mail Address: Box 200901 Helena MT 59620-0901			Contact Name, Phone, Fax, E-mail: Mary Hendrickson 406 444-1808 FAX 444-1304						Sampler Name if other than Contact: Shane Matolyak									
Invoice Address: Same as above			Invoice Contact & Phone #: Same as above						Purchase Order #:			ELI Quote #:						
Report Required For: POTW/WWTP ☐ DW ☐ Other _____ Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____			Number of Containers Sample Type: A W S V B O ☐ Air ☐ Water ☐ Solids ☐ Vegetation ☐ Bioassay ☐ Other	ANALYSIS REQUESTED										Notify ELI prior to RUSH sample submittal for additional charges and scheduling			Shipped by:	
SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)		Comments: Direct bill to MDEQ c/o Mary Hendrickson Solid Waste Program						Receipt Temp _____ °C								
				Custody Seal Y N														
				Intact Y N														
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Chain of Custody and Analytical Request Record

Page 2 of 2

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name:			Project Name, PWS #, Permit #, Etc.:																					
Report Mail Address:			Contact Name, Phone, Fax, E-mail:										Sampler Name if other than Contact:											
Invoice Address:			Invoice Contact & Phone #:							Purchase Order #:			ELI Quote #:											
Report Required For: POTW/WWTP ☐ DW ☐ Other _____ Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____			Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other		ANALYSIS REQUESTED										SEE ATTACHED		Normal Turnaround (TAT) RUSH Turnaround (TAT)		Notify ELI prior to RUSH sample submittal for additional charges and scheduling		Comments:		Shipped by: _____ Cooler ID(s) _____ Receipt Temp _____ °C Custody Seal Y N Intact Y N Signature Y N Match _____ Lab ID _____	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)					Collection Date		Collection Time		MATRIX															
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Custody Record MUST be Signed			Relinquished by (print): _____ Date/Time: _____ Signature: _____				Received by (print): _____ Date/Time: _____ Signature: _____																	
			Relinquished by (print): _____ Date/Time: _____ Signature: _____				Received by (print): _____ Date/Time: _____ Signature: _____																	
			Sample Disposal: _____ Return to client: _____ Lab Disposal: _____				Sample Type: _____ LABORATORY USE ONLY # of fractions _____																	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, & links.



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: <i>MDEQ / Solid Waste Program</i>			Project Name, PWS #, Permit #, Etc.: <i>Mc M. Landfill</i>														
Report Mail Address: <i>Box 200901 Helena MT 59620-0901</i>			Contact Name, Phone, Fax, E-mail: <i>Mary Hendrickson 406-444-1808 FAX 444-1304</i>					Sampler Name if other than Contact: <i>Shane Morley</i>									
Invoice Address: <i>Same as above</i>			Invoice Contact & Phone #: <i>Same as above</i>					Purchase Order #:		ELI Quote #:							
Report Required For: ☐ POTW/WWTP ☐ DW ☐ Other _____ Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____			Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other <i>Cyan R 9010 Tox. Path.</i>	ANALYSIS REQUESTED										Notify ELI prior to RUSH sample submittal for additional charges and scheduling		Shipped by: Cooler ID(s) Receipt Temp _____ °C Custody Seal Y N Intact Y N Signature Y N Match Lab ID	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date		Collection Time	MATRIX	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments: <i>This is part of the samples sent on 6-28-07. Please include results of analysis for this sample in the lab report for those earlier samples.</i>		LABORATORY USE ONLY						
1 <i>MW-HW</i>		6-28-07		1500	1 H ₂ O												
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3																	
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8																	
9																	
10																	
Custody Record MUST be Signed		Relinquished by (print): <i>Shane Morley</i>		Date/Time: <i>7-2-07 9:00</i>		Signature: <i>Shane Morley</i>		Received by (print):		Date/Time:		Signature:					
		Relinquished by (print):		Date/Time:		Signature:		Received by (print):		Date/Time:		Signature:					
		Sample Disposal:		Return to client:		Lab Disposal:		Sample Type:		LABORATORY USE ONLY # of fractions							

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, & links.

MW-7/2



MW-DW1

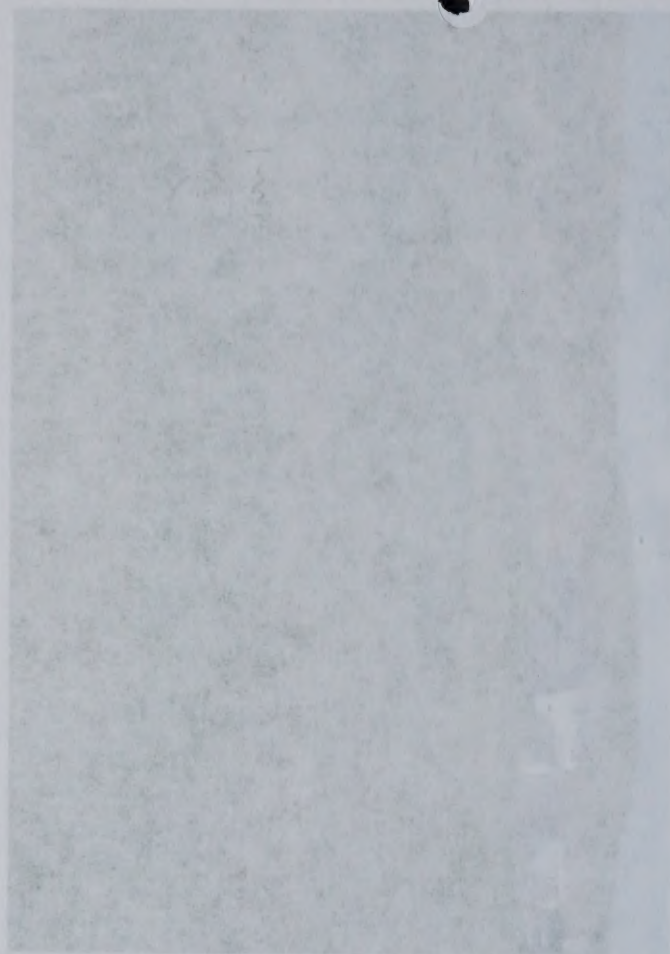


MW-6M



MW-8 & MW-1

1-WM 8-WM



1-WM 8-WM

1-WM 8-WM



1-WM 8-WM

Private Well



Sediment Pond



MW-OW2



Private Well

MW-11



MW-3



MW-10



MW-11M

MW-5



MW-6



MW-4



MW-5M

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-008
Client Sample ID: MW-1

Report Date: 07/24/07
Collection Date: 06/28/07 14:10
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.5	s.u.		0.1		A4500-H B	07/03/07 08:38 / sld
Conductivity	781	umhos/cm		1		A2510 B	06/29/07 16:10 / kjw
INORGANICS							
Cyanide, Total	ND	mg/L		0.005		Kelada mod	07/05/07 11:44 / eli-b
Sulfate	24	mg/L		1		A4500-SO4 E	07/06/07 11:00 / abb
Chloride	19	mg/L		1		A4500-Cl C	07/05/07 10:42 / sld
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	10	mg/L		1		E410.4	07/11/07 08:40 / sld
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	1.49	mg/L	D	0.02		E353.2	07/09/07 11:19 / sld
METALS, DISSOLVED							
Antimony	ND	mg/L		0.01		E200.7	07/05/07 14:11 / eli-b
Arsenic	ND	mg/L		0.005		E200.8	07/13/07 05:52 / eli-b
Barium	0.24	mg/L		0.02		E200.7	07/05/07 14:11 / eli-b
Beryllium	ND	mg/L		0.001		E200.7	07/05/07 14:11 / eli-b
Cadmium	ND	mg/L		0.0005		E200.8	07/13/07 05:52 / eli-b
Chromium	ND	mg/L		0.002		E200.7	07/05/07 14:11 / eli-b
Cobalt	ND	mg/L		0.005		E200.7	07/05/07 14:11 / eli-b
Copper	0.001	mg/L		0.001		E200.8	07/13/07 05:52 / eli-b
Iron	ND	mg/L		0.03		E200.7	07/05/07 14:11 / eli-b
Lead	ND	mg/L		0.002		E200.8	07/13/07 05:52 / eli-b
Mercury	ND	mg/L		0.0002		E200.8	07/13/07 05:52 / eli-b
Nickel	ND	mg/L		0.01		E200.7	07/05/07 14:11 / eli-b
Selenium	ND	mg/L		0.005		E200.8	07/13/07 05:52 / eli-b
Silver	ND	mg/L		0.0002		E200.8	07/13/07 05:52 / eli-b
Thallium	ND	mg/L		0.01		E200.7	07/05/07 14:11 / eli-b
Vanadium	ND	mg/L		0.05		E200.7	07/05/07 14:11 / eli-b
Zinc	ND	mg/L		0.01		E200.7	07/05/07 14:11 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-008
Client Sample ID: MW-1

Report Date: 07/06/07
Collection Date: 06/28/07 14:10
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/02/07 23:48 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	07/02/07 23:48 / jdh
Benzene	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
2-Hexanone	ND	ug/L		10		SW8260B	07/02/07 23:48 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/02/07 23:48 / jdh
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/02/07 23:48 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Styrene	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Toluene	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-008
Client Sample ID: MW-1

Report Date: 07/06/07
Collection Date: 06/28/07 14:10
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/02/07 23:48 / jdh
Surr: 1,2-Dichloroethane-d4	117	%REC			70-130	SW8260B	07/02/07 23:48 / jdh
Surr: Dibromofluoromethane	92.0	%REC			70-130	SW8260B	07/02/07 23:48 / jdh
Surr: p-Bromofluorobenzene	103	%REC			70-130	SW8260B	07/02/07 23:48 / jdh
Surr: Toluene-d8	101	%REC			70-130	SW8260B	07/02/07 23:48 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-009
Client Sample ID: MW-HW

Report Date: 07/24/07
Collection Date: 06/28/07 15:00
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.7	s.u.		0.1		A4500-H B	07/03/07 08:39 / sld
Conductivity	756	umhos/cm		1		A2510 B	06/29/07 16:10 / kjw
INORGANICS							
Sulfate	36	mg/L		1		A4500-SO4 E	07/06/07 11:01 / abb
Chloride	10	mg/L		1		A4500-Cl C	07/05/07 10:43 / sld
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	1	mg/L		1		E410.4	07/11/07 08:40 / sld
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.17	mg/L		0.01		E353.2	07/09/07 11:21 / sld
METALS, DISSOLVED							
Antimony	ND	mg/L		0.01		E200.7	07/05/07 14:22 / eli-b
Arsenic	ND	mg/L		0.005		E200.8	07/13/07 05:59 / eli-b
Barium	0.08	mg/L		0.02		E200.7	07/05/07 14:22 / eli-b
Beryllium	ND	mg/L		0.001		E200.7	07/05/07 14:22 / eli-b
Cadmium	ND	mg/L		0.0005		E200.8	07/13/07 05:59 / eli-b
Chromium	ND	mg/L		0.002		E200.7	07/05/07 14:22 / eli-b
Cobalt	ND	mg/L		0.005		E200.7	07/05/07 14:22 / eli-b
Copper	ND	mg/L		0.001		E200.8	07/13/07 05:59 / eli-b
Iron	ND	mg/L		0.03		E200.7	07/05/07 14:22 / eli-b
Lead	ND	mg/L		0.002		E200.8	07/13/07 05:59 / eli-b
Mercury	ND	mg/L		0.0002		E200.8	07/13/07 05:59 / eli-b
Nickel	ND	mg/L		0.01		E200.7	07/05/07 14:22 / eli-b
Selenium	0.010	mg/L		0.005		E200.8	07/13/07 05:59 / eli-b
Silver	ND	mg/L		0.0002		E200.8	07/13/07 05:59 / eli-b
Thallium	ND	mg/L		0.01		E200.8	07/13/07 05:59 / eli-b
Vanadium	ND	mg/L		0.05		E200.7	07/05/07 14:22 / eli-b
Zinc	ND	mg/L		0.01		E200.7	07/05/07 14:22 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/06/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2							Batch: R38353		
Sample ID: MBLK070207A	Method Blank		Run: 1SATURN_070702B				07/02/07 18:22		
1,1-Dichloroethene	ND	ug/L	0.50						
cis-1,2-Dichloroethene	ND	ug/L	0.50						
trans-1,2-Dichloroethene	ND	ug/L	0.50						
1,2-Dichloropropane	ND	ug/L	0.50						
1,3-Dichloropropane	ND	ug/L	0.50						
2,2-Dichloropropane	ND	ug/L	0.50						
1,1-Dichloropropene	ND	ug/L	0.50						
cis-1,3-Dichloropropene	ND	ug/L	0.50						
trans-1,3-Dichloropropene	ND	ug/L	0.50						
Ethylbenzene	ND	ug/L	0.50						
Hexachlorobutadiene	ND	ug/L	0.50						
Isopropylbenzene	ND	ug/L	0.50						
p-Isopropyltoluene	ND	ug/L	0.50						
Methyl tert-butyl ether (MTBE)	ND	ug/L	0.50						
Methylene chloride	ND	ug/L	0.50						
Naphthalene	ND	ug/L	0.50						
n-Propylbenzene	ND	ug/L	0.50						
Styrene	ND	ug/L	0.50						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50						
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50						
Tetrachloroethene	ND	ug/L	0.50						
Toluene	ND	ug/L	0.50						
1,2,3-Trichlorobenzene	ND	ug/L	0.50						
1,2,4-Trichlorobenzene	ND	ug/L	0.50						
1,1,1-Trichloroethane	ND	ug/L	0.50						
1,1,2-Trichloroethane	ND	ug/L	0.50						
Trichloroethene	ND	ug/L	0.50						
Trichlorofluoromethane	ND	ug/L	0.50						
1,2,3-Trichloropropane	ND	ug/L	0.50						
1,2,4-Trimethylbenzene	ND	ug/L	0.50						
1,3,5-Trimethylbenzene	ND	ug/L	0.50						
Vinyl chloride	ND	ug/L	0.50						
m+p-Xylenes	ND	ug/L	0.50						
o-Xylene	ND	ug/L	0.50						
Trihalomethanes, Total	ND	ug/L	0.50						
Xylenes, Total	ND	ug/L	0.50						
Surr: p-Bromofluorobenzene			0.50	102	70	130			
Surr: 1,2-Dichloroethane-d4			0.50	97	70	130			
Surr: Toluene-d8			0.50	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/06/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2							Batch: R38353		
Sample ID: LCS070307A	Laboratory Control Sample				Run: 1SATURN_070702B			07/03/07 08:56	
Benzene	4.24	ug/L	0.50	85	70	130			
Bromobenzene	4.64	ug/L	0.50	93	70	130			
Bromochloromethane	4.48	ug/L	0.50	90	70	130			
Bromodichloromethane	4.12	ug/L	0.50	82	70	130			
Bromoform	4.44	ug/L	0.50	89	70	130			
Bromomethane	4.76	ug/L	0.50	95	70	130			
n-Butylbenzene	4.60	ug/L	0.50	92	70	130			
sec-Butylbenzene	4.64	ug/L	0.50	93	70	130			
tert-Butylbenzene	4.56	ug/L	0.50	91	70	130			
Carbon tetrachloride	4.52	ug/L	0.50	90	70	130			
1,2-Dichloroethane	4.68	ug/L	0.50	94	70	130			
Chlorobenzene	4.36	ug/L	0.50	87	70	130			
Chlorodibromomethane	4.80	ug/L	0.50	96	70	130			
Chloroethane	4.20	ug/L	0.50	84	70	130			
Chloroform	4.20	ug/L	0.50	84	70	130			
Chloromethane	4.72	ug/L	0.50	94	70	130			
2-Chlorotoluene	4.80	ug/L	0.50	96	70	130			
4-Chlorotoluene	4.88	ug/L	0.50	98	70	130			
1,2-Dibromo-3-chloropropane	3.98	ug/L	1.0	80	70	130			
Dibromomethane	4.36	ug/L	0.50	87	70	130			
1,2-Dichlorobenzene	4.32	ug/L	0.50	86	70	130			
1,3-Dichlorobenzene	4.48	ug/L	0.50	90	70	130			
1,4-Dichlorobenzene	4.88	ug/L	0.50	98	70	130			
Dichlorodifluoromethane	4.20	ug/L	0.50	84	70	130			
1,1-Dichloroethane	4.64	ug/L	0.50	93	70	130			
1,2-Dibromoethane	5.64	ug/L	0.50	113	70	130			
1,1-Dichloroethene	4.24	ug/L	0.50	85	70	130			
cis-1,2-Dichloroethene	4.28	ug/L	0.50	86	70	130			
trans-1,2-Dichloroethene	4.64	ug/L	0.50	93	70	130			
1,2-Dichloropropane	4.84	ug/L	0.50	97	70	130			
1,3-Dichloropropane	4.64	ug/L	0.50	93	70	130			
2,2-Dichloropropane	4.68	ug/L	0.50	94	70	130			
1,1-Dichloropropene	4.48	ug/L	0.50	90	70	130			
cis-1,3-Dichloropropene	4.20	ug/L	0.50	84	70	130			
trans-1,3-Dichloropropene	4.56	ug/L	0.50	91	70	130			
Ethylbenzene	4.40	ug/L	0.50	88	70	130			
Hexachlorobutadiene	5.08	ug/L	0.50	102	70	130			
Isopropylbenzene	4.88	ug/L	0.50	98	70	130			
p-Isopropyltoluene	4.88	ug/L	0.50	98	70	130			
Methyl tert-butyl ether (MTBE)	4.56	ug/L	0.50	91	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Report Date: 07/06/07

Project: Mr. M Landfill

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2							Batch: R38353		
Sample ID: LCS070307A	Laboratory Control Sample				Run: 1SATURN_070702B			07/03/07 08:56	
Methylene chloride	4.16	ug/L	0.50	83	70	130			
Naphthalene	4.24	ug/L	0.50	85	70	130			
n-Propylbenzene	4.44	ug/L	0.50	89	70	130			
Styrene	4.40	ug/L	0.50	88	70	130			
1,1,1,2-Tetrachloroethane	4.48	ug/L	0.50	90	70	130			
1,1,2,2-Tetrachloroethane	4.28	ug/L	0.50	86	70	130			
Tetrachloroethene	4.56	ug/L	0.50	91	70	130			
Toluene	4.52	ug/L	0.50	90	70	130			
1,2,3-Trichlorobenzene	4.68	ug/L	0.50	94	70	130			
1,2,4-Trichlorobenzene	4.60	ug/L	0.50	92	70	130			
1,1,1-Trichloroethane	4.64	ug/L	0.50	93	70	130			
1,1,2-Trichloroethane	4.56	ug/L	0.50	91	70	130			
Trichloroethene	4.88	ug/L	0.50	98	70	130			
Trichlorofluoromethane	5.00	ug/L	0.50	100	70	130			
1,2,3-Trichloropropane	6.36	ug/L	0.50	127	70	130			
1,2,4-Trimethylbenzene	4.28	ug/L	0.50	86	70	130			
1,3,5-Trimethylbenzene	4.60	ug/L	0.50	92	70	130			
Vinyl chloride	4.52	ug/L	0.50	90	70	130			
m+p-Xylenes	8.76	ug/L	0.50	88	70	130			
o-Xylene	4.56	ug/L	0.50	91	70	130			
Trihalomethanes, Total	17.6	ug/L	0.50	88	70	130			
Xylenes, Total	13.3	ug/L	0.50	89	70	130			
Surr: p-Bromofluorobenzene			0.50	102	70	130			
Surr: 1,2-Dichloroethane-d4			0.50	112	70	130			
Surr: Toluene-d8			0.50	101	70	130			
Sample ID: MBLK070307A	Method Blank				Run: 1SATURN_070702B			07/03/07 11:06	
Benzene	ND	ug/L	0.50						
Bromobenzene	ND	ug/L	0.50						
Bromochloromethane	ND	ug/L	0.50						
Bromodichloromethane	ND	ug/L	0.50						
Bromoform	ND	ug/L	0.50						
Bromomethane	ND	ug/L	0.50						
n-Butylbenzene	ND	ug/L	0.50						
sec-Butylbenzene	ND	ug/L	0.50						
tert-Butylbenzene	ND	ug/L	0.50						
Carbon tetrachloride	ND	ug/L	0.50						
1,2-Dichloroethane	ND	ug/L	0.50						
Chlorobenzene	ND	ug/L	0.50						
Chlorodibromomethane	ND	ug/L	0.50						
Chloroethane	ND	ug/L	0.50						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Report Date: 07/06/07

Project: Mr. M Landfill

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2							Batch: R38353		
Sample ID: MBLK070307A	Method Blank		Run: 1SATURN_070702B				07/03/07 11:06		
Chloroform	ND	ug/L	0.50						
Chloromethane	ND	ug/L	0.50						
2-Chlorotoluene	ND	ug/L	0.50						
4-Chlorotoluene	ND	ug/L	0.50						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	0.50						
1,2-Dichlorobenzene	ND	ug/L	0.50						
1,3-Dichlorobenzene	ND	ug/L	0.50						
1,4-Dichlorobenzene	ND	ug/L	0.50						
Dichlorodifluoromethane	ND	ug/L	0.50						
1,1-Dichloroethane	ND	ug/L	0.50						
1,2-Dibromoethane	ND	ug/L	0.50						
1,1-Dichloroethene	ND	ug/L	0.50						
cis-1,2-Dichloroethene	ND	ug/L	0.50						
trans-1,2-Dichloroethene	ND	ug/L	0.50						
1,2-Dichloropropane	ND	ug/L	0.50						
1,3-Dichloropropane	ND	ug/L	0.50						
2,2-Dichloropropane	ND	ug/L	0.50						
1,1-Dichloropropene	ND	ug/L	0.50						
cis-1,3-Dichloropropene	ND	ug/L	0.50						
trans-1,3-Dichloropropene	ND	ug/L	0.50						
Ethylbenzene	ND	ug/L	0.50						
Hexachlorobutadiene	ND	ug/L	0.50						
Isopropylbenzene	ND	ug/L	0.50						
p-Isopropyltoluene	ND	ug/L	0.50						
Methyl tert-butyl ether (MTBE)	ND	ug/L	0.50						
Methylene chloride	ND	ug/L	0.50						
Naphthalene	ND	ug/L	0.50						
n-Propylbenzene	ND	ug/L	0.50						
Styrene	ND	ug/L	0.50						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50						
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50						
Tetrachloroethene	ND	ug/L	0.50						
Toluene	ND	ug/L	0.50						
1,2,3-Trichlorobenzene	ND	ug/L	0.50						
1,2,4-Trichlorobenzene	ND	ug/L	0.50						
1,1,1-Trichloroethane	ND	ug/L	0.50						
1,1,2-Trichloroethane	ND	ug/L	0.50						
Trichloroethene	ND	ug/L	0.50						
Trichlorofluoromethane	ND	ug/L	0.50						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Report Date: 07/06/07

Project: Mr. M Landfill

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2									Batch: R38353
Sample ID: MBLK070307A	Method Blank		Run: 1SATURN_070702B				07/03/07 11:06		
1,2,3-Trichloropropane	ND	ug/L	0.50						
1,2,4-Trimethylbenzene	ND	ug/L	0.50						
1,3,5-Trimethylbenzene	ND	ug/L	0.50						
Vinyl chloride	ND	ug/L	0.50						
m+p-Xylenes	ND	ug/L	0.50						
o-Xylene	ND	ug/L	0.50						
Trihalomethanes, Total	ND	ug/L	0.50						
Xylenes, Total	ND	ug/L	0.50						
Surr: p-Bromofluorobenzene			0.50	99	70	130			
Surr: 1,2-Dichloroethane-d4			0.50	112	70	130			
Surr: Toluene-d8			0.50	102	70	130			
Sample ID: H07060320-011A	Sample Duplicate		Run: 1SATURN_070702B				07/03/07 11:36		
Benzene	ND	ug/L	0.50				0.0	20	
Bromobenzene	ND	ug/L	0.50				0.0	20	
Bromochloromethane	ND	ug/L	0.50				0.0	20	
Bromodichloromethane	0.294	ug/L	0.50				0.0	20	
Bromoform	ND	ug/L	0.50				0.0	20	
Bromomethane	ND	ug/L	0.50				0.0	20	
n-Butylbenzene	ND	ug/L	0.50				0.0	20	
sec-Butylbenzene	ND	ug/L	0.50				0.0	20	
tert-Butylbenzene	ND	ug/L	0.50				0.0	20	
Carbon tetrachloride	ND	ug/L	0.50				0.0	20	
1,2-Dichloroethane	ND	ug/L	0.50				0.0	20	
Chlorobenzene	ND	ug/L	0.50				0.0	20	
Chlorodibromomethane	ND	ug/L	0.50				0.0	20	
Chloroethane	ND	ug/L	0.50				0.0	20	
Chloroform	0.592	ug/L	0.50				4.0	20	
Chloromethane	ND	ug/L	0.50				0.0	20	
2-Chlorotoluene	ND	ug/L	0.50				0.0	20	
4-Chlorotoluene	ND	ug/L	0.50				0.0	20	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0				0.0	20	
Dibromomethane	ND	ug/L	0.50				0.0	20	
1,2-Dichlorobenzene	ND	ug/L	0.50				0.0	20	
1,3-Dichlorobenzene	ND	ug/L	0.50				0.0	20	
1,4-Dichlorobenzene	ND	ug/L	0.50				0.0	20	
Dichlorodifluoromethane	ND	ug/L	0.50				0.0	20	
1,1-Dichloroethane	ND	ug/L	0.50				0.0	20	
1,2-Dibromoethane	ND	ug/L	0.50				0.0	20	
1,1-Dichloroethene	ND	ug/L	0.50				0.0	20	
cis-1,2-Dichloroethene	ND	ug/L	0.50				0.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/06/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2							Batch: R38353		
Sample ID: H07060320-011A	Sample Duplicate		Run: 1SATURN_070702B				07/03/07 11:36		
trans-1,2-Dichloroethene	ND	ug/L	0.50				0.0	20	
1,2-Dichloropropane	ND	ug/L	0.50				0.0	20	
1,3-Dichloropropane	ND	ug/L	0.50				0.0	20	
2,2-Dichloropropane	ND	ug/L	0.50				0.0	20	
1,1-Dichloropropene	ND	ug/L	0.50				0.0	20	
cis-1,3-Dichloropropene	ND	ug/L	0.50				0.0	20	
trans-1,3-Dichloropropene	ND	ug/L	0.50				0.0	20	
Ethylbenzene	ND	ug/L	0.50				0.0	20	
Hexachlorobutadiene	ND	ug/L	0.50				0.0	20	
Isopropylbenzene	ND	ug/L	0.50				0.0	20	
p-Isopropyltoluene	ND	ug/L	0.50				0.0	20	
Methyl tert-butyl ether (MTBE)	ND	ug/L	0.50				0.0	20	
Methylene chloride	ND	ug/L	0.50				0.0	20	
Naphthalene	ND	ug/L	0.50				0.0	20	
n-Propylbenzene	ND	ug/L	0.50				0.0	20	
Styrene	ND	ug/L	0.50				0.0	20	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50				0.0	20	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50				0.0	20	
Tetrachloroethene	ND	ug/L	0.50				0.0	20	
Toluene	0.195	ug/L	0.50				0.0	20	
1,2,3-Trichlorobenzene	ND	ug/L	0.50				0.0	20	
1,2,4-Trichlorobenzene	ND	ug/L	0.50				0.0	20	
1,1,1-Trichloroethane	ND	ug/L	0.50				0.0	20	
1,1,2-Trichloroethane	ND	ug/L	0.50				0.0	20	
Trichloroethene	ND	ug/L	0.50				0.0	20	
Trichlorofluoromethane	ND	ug/L	0.50				0.0	20	
1,2,3-Trichloropropane	ND	ug/L	0.50				0.0	20	
1,2,4-Trimethylbenzene	ND	ug/L	0.50				0.0	20	
1,3,5-Trimethylbenzene	ND	ug/L	0.50				0.0	20	
Vinyl chloride	ND	ug/L	0.50				0.0	20	
m+p-Xylenes	ND	ug/L	0.50				0.0	20	
o-Xylene	ND	ug/L	0.50				0.0	20	
Trihalomethanes, Total	0.592	ug/L	0.50				49	20	R
Xylenes, Total	ND	ug/L	0.50				0.0	20	
Surr: p-Bromofluorobenzene			0.50	97	70	130			
Surr: 1,2-Dichloroethane-d4			0.50	110	70	130			
Surr: Toluene-d8			0.50	102	70	130			

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 07/06/07

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Analytical Run: 1SATURN_070629B		
Sample ID: CCV062907A							Continuing Calibration Verification Standard		
							06/29/07 07:53		
Acetone	43.2	ug/L	20	86	70	130			
Acrylonitrile	42.8	ug/L	20	86	70	130			
Benzene	3.52	ug/L	1.0	70	70	130			
Bromochloromethane	4.24	ug/L	1.0	85	70	130			
Bromodichloromethane	4.28	ug/L	1.0	86	70	130			
Bromoform	4.92	ug/L	1.0	98	70	130			
Bromomethane	4.64	ug/L	1.0	93	70	130			
Carbon disulfide	3.88	ug/L	1.0	78	70	130			
Carbon tetrachloride	4.36	ug/L	1.0	87	70	130			
Chlorobenzene	4.20	ug/L	1.0	84	70	130			
Chlorodibromomethane	4.56	ug/L	1.0	91	70	130			
Chloroethane	4.40	ug/L	1.0	88	70	130			
Chloroform	4.04	ug/L	1.0	81	80	120			
Chloromethane	4.48	ug/L	1.0	90	70	130			
1,2-Dibromo-3-chloropropane	4.16	ug/L	1.0	83	70	130			
1,2-Dibromoethane	5.68	ug/L	1.0	114	70	130			
Dibromomethane	4.32	ug/L	1.0	86	70	130			
1,2-Dichlorobenzene	4.40	ug/L	1.0	88	70	130			
1,4-Dichlorobenzene	4.56	ug/L	1.0	91	70	130			
trans-1,4-Dichloro-2-butene	4.24	ug/L	1.0	85	70	130			
Dichlorodifluoromethane	4.08	ug/L	1.0	82	70	130			
1,1-Dichloroethane	4.36	ug/L	1.0	87	70	130			
1,2-Dichloroethane	4.36	ug/L	1.0	87	70	130			
1,1-Dichloroethene	4.12	ug/L	1.0	82	80	120			
cis-1,2-Dichloroethene	4.40	ug/L	1.0	88	70	130			
trans-1,2-Dichloroethene	4.24	ug/L	1.0	85	70	130			
1,2-Dichloropropane	4.48	ug/L	1.0	90	80	120			
cis-1,3-Dichloropropene	4.08	ug/L	1.0	82	70	130			
trans-1,3-Dichloropropene	4.40	ug/L	1.0	88	70	130			
Ethylbenzene	4.44	ug/L	1.0	89	80	120			
2-Hexanone	45.2	ug/L	20	90	70	130			
Iodomethane	3.69	ug/L	1.0	74	70	130			
Methyl ethyl ketone	45.6	ug/L	20	91	70	130			
Methyl isobutyl ketone	44.8	ug/L	20	90	70	130			
Methylene chloride	3.94	ug/L	1.0	79	70	130			
Styrene	4.12	ug/L	1.0	82	70	130			
1,1,1,2-Tetrachloroethane	4.32	ug/L	1.0	86	70	130			
1,1,2,2-Tetrachloroethane	4.52	ug/L	1.0	90	70	130			
Tetrachloroethene	4.48	ug/L	1.0	90	70	130			
Toluene	4.48	ug/L	1.0	90	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

ANALYTICAL SUMMARY REPORT

July 10, 2007

MT DEQ

PO Box 200901

Helena, MT 59620

Workorder No.: H07070029

Project Name: Mr. M. Landfill

Energy Laboratories Inc received the following 1 sample from MT DEQ on 7/3/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
H07070029-001	MW-HW	06/28/07 15:00	07/03/07	Aqueous	Cyanide, Total Manual Distillation Total Cyanide Digestion

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-r - Energy Laboratories, Inc. - Rapid City, SD, EPA# SD00012
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

SUBCONTRACTING ANALYSIS

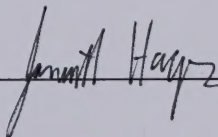
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES, INC. will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories are indicated within the Laboratory Analytical Report.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

ELI appreciates the opportunity to provide you with this analytical service. For additional information, including certifications, and analytical services visit our web page www.energylab.com.

Report Approved By: _____





LABORATORY ANALYTICAL REPORT

CASE NARRATIVE

NONE

Report: 10/1/07
Project: 10-11-07
Lab ID: 1007020001
Client: Energy Lab

Report Date: 10/1/07
Collection Date: 10/1/07
Qualification: 10/1/07
Matrix: Liquid

Analysis	Result	Units	Qualifier	DL	Std. Dev.	Initials	Report Date / By
1007020001							
Carbon, Total	85	%					10/1/07 10:00 AM



LABORATORY ANALYTICAL REPORT

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M. Landfill
Lab ID: H07070029-001
Client Sample ID: MW-HW

Report Date: 07/10/07
Collection Date: 06/28/07 15:00
Date Received: 07/03/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
INORGANICS							
Cyanide, Total	ND	mg/L		0.005		Kelada mod	07/06/07 15:49 / eli-b

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M. Landfill

Report Date: 07/10/07
Work Order: H07070029

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Kelada mod							Analytical Run: SUB-B96101		
Sample ID: ICV-1	Initial Calibration Verification Standard								07/06/07 10:38
Cyanide, Total	0.142	mg/L	0.0050	94	90	110			
Method: Kelada mod							Batch: B_A2007-07-06_4_CN_01		
Sample ID: LFB-4	Laboratory Fortified Blank								07/06/07 10:44
Cyanide, Total	0.106	mg/L	0.0050	104	90	110			
Sample ID: MBLK-5	Method Blank								07/06/07 10:45
Cyanide, Total	0.002	mg/L	0.001						
Sample ID: B07070361-002BMS	Sample Matrix Spike								07/06/07 14:26
Cyanide, Total	0.0997	mg/L	0.0050	97	90	110			
Sample ID: B07070361-002BMSD	Sample Matrix Spike Duplicate								07/06/07 14:28
Cyanide, Total	0.0963	mg/L	0.0050	94	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: <u>MDEQ / Solid Waste Program</u>			Project Name, PWS #, Permit #, Etc.: <u>Mc M. Landfill</u>											
Report Mail Address: <u>Box 200901</u> <u>Helena MT 59620-0901</u>			Contact Name, Phone, Fax, E-mail: <u>Mary Hendrickson</u> <u>406-444-1808 FAX 444-1304</u>					Sampler Name if other than Contact: <u>Shane Matolyak</u>						
Invoice Address: <u>Same as above</u>			Invoice Contact & Phone #: <u>Same as above</u>					Purchase Order #:		ELI Quote #:				
Report Required For: POTWWWTP ☐ DW ☐ Other _____ Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____			ANALYSIS REQUESTED SEE ATTACHED Normal Turnaround (TAT) RUSH Turnaround (TAT) Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other <u>Cyanide 9010 Tot. MgNi dist.</u> Notify ELI prior to RUSH sample submittal for additional charges and scheduling Comments: <u>This is part of the samples sent on 6-28-07. Please include results of analysis for this sample in the lab report for those earlier samples.</u> Shipped by: <u>UPS AAS</u> Cooler ID(s) Receipt Temp <u>10.00</u> °C Custody Seal ☒ Y ☐ N Intact ☒ Y ☐ N Signature Match ☒ Y ☐ N Lab ID											
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX										
1 <u>MW-HW</u>		<u>6-28-07</u>	<u>15:00</u>	<u>1 H2O</u>										
2														
3														
4														
5														
6														
7														
8														
9														
10														
Custody Record MUST be Signed	Relinquished by (print): <u>Shane Matolyak</u>		Date/Time: <u>7-2-07 9:00</u>		Signature: <u>Shane M</u>		Received by (print): <u>Roxanne Jones</u>		Date/Time: <u>7-3-07 10:08</u>		Signature: <u>R Jones</u>			
	Relinquished by (print):		Date/Time:		Signature:		Received by (print):		Date/Time:		Signature:			
	Sample Disposal:		Return to client:		Lab Disposal:		Sample Type:		LABORATORY USE ONLY # of fractions					

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, & links.

Energy Laboratories Inc

Workorder Receipt Checklist



MT DEQ

H07070029

Login completed by: Roxanne L. Tubbs

Date and Time Received: 7/3/2007 10:08 AM

Reviewed by: *Lee Jolt*

Received by: rlt

Reviewed Date: 7/5/07

Carrier name: UPS ARS Ground

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	0.0°C
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

ANALYTICAL SUMMARY REPORT

RECEIVED
JUL 30 2007
TETRA TECH, INC
HELENA, MT

**** REPORT ****

Tetra Tech, Inc.
Chris Cronin
303 Irene St.
Helena MT 59601

ANALYTICAL SUMMARY REPORT

July 24, 2007

MT DEQ
PO Box 200901
Helena, MT 59620Workorder No.: H07060320
Project Name: Mr. M Landfill

Energy Laboratories Inc received the following 12 samples from MT DEQ on 6/29/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
H07060320-001	MW-5	06/27/07 14:00	06/29/07	Aqueous	Metals by ICP/ICPMS, Dissolved Chloride Cyanide, Total Manual Distillation Total Cyanide Digestion Chemical Oxygen Demand Conductivity Nitrogen, Nitrate + Nitrite pH Sulfate 8260-Volatile Organic Comp, 40 CFR Part 258 App I
H07060320-002	MW-6	06/27/07 16:00	06/29/07	Aqueous	Same As Above
H07060320-003	MW-OW 1	06/28/07 10:00	06/29/07	Aqueous	Same As Above
H07060320-004	MW-7/2	06/28/07 11:30	06/29/07	Aqueous	Same As Above
H07060320-005	MW-10	06/28/07 12:20	06/29/07	Aqueous	Same As Above
H07060320-006	Sed. Pond	06/28/07 12:50	06/29/07	Aqueous	Metals by ICP/ICPMS, Dissolved Alkalinity Bacteria, Total and E-Coli Coliforms Biochemical Oxygen Demand, 5 Day Chlorine, Residual Chloride Cyanide, Total Manual Distillation Total Cyanide Digestion Chemical Oxygen Demand Conductivity Carbon, Total Organic Oil & Grease, Gravimetric Hardness as CaCO3 Nitrogen, Nitrate + Nitrite Nitrogen, Total Kjeldahl Phenolics, Total pH Phosphorus, Total Solids, Total Dissolved Solids, Total Suspended Sulfate 524-Purgeable Organics, SDWA
H07060320-007	Trip Blank TB053007(jm)(b)-11	06/28/07 12:50	06/29/07	Trip Blank	8260-Volatile Organic Comp, 40 CFR Part 258 App I

H07060320-008 MW-1	06/28/07 14:10 06/29/07	Aqueous	Metals by ICP/ICPMS, Dissolved Chloride Cyanide, Total Manual Distillation Total Cyanide Digestion Chemical Oxygen Demand Conductivity Nitrogen, Nitrate + Nitrite pH Sulfate 8260-Volatile Organic Comp, 40 CFR Part 258 App I
H07060320-009 MW-HW	06/28/07 15:00 06/29/07	Aqueous	Metals by ICP/ICPMS, Dissolved Chloride Chemical Oxygen Demand Conductivity Nitrogen, Nitrate + Nitrite pH Sulfate 8260-Volatile Organic Comp, 40 CFR Part 258 App I
H07060320-010 Private Well	06/28/07 15:45 06/29/07	Aqueous	Metals by ICP/ICPMS, Dissolved Alkalinity Bacteria, Total and E-Coli Coliforms Biochemical Oxygen Demand, 5 Day Chlorine, Residual Chloride Cyanide, Total Manual Distillation Total Cyanide Digestion Chemical Oxygen Demand Conductivity Carbon, Total Organic Oil & Grease, Gravimetric Hardness as CaCO ₃ Nitrogen, Nitrate + Nitrite Nitrogen, Total Kjeldahl Phenolics, Total pH Phosphorus, Total Solids, Total Dissolved Solids, Total Suspended Sulfate 524-Purgeable Organics, SDWA
H07060320-011 MW-FB	06/28/07 15:15 06/29/07	Aqueous	524-Purgeable Organics, SDWA
H07060320-012 Trip Blank TB053007(jm)(b)-12	06/28/07 15:15 06/29/07	Trip Blank	8260-Volatile Organic Comp, 40 CFR Part 258 App I

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-r - Energy Laboratories, Inc. - Rapid City, SD, EPA# SD00012
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES, INC. will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories are indicated within the Laboratory Analytical Report.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling



ENERGY LABORATORIES, INC. • P.O. Box 5688 • 3161 East Lyndale Ave. • Helena, MT 59604
877-472-0711 • 406-442-0711 • 406-442-0712 fax • helena@energylab.com

process has begun.

ELI appreciates the opportunity to provide you with this analytical service. For additional information, including certifications, and analytical services visit our web page www.energylab.com.

Report Approved By: _____

A handwritten signature in black ink, appearing to be "J. Smith", written over a horizontal line.

NONE

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-001
Client Sample ID: MW-5

Report Date: 07/24/07
Collection Date: 06/27/07 14:00
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.7	s.u.		0.1		A4500-H B	07/03/07 08:30 / sld
Conductivity	937	umhos/cm		1		A2510 B	06/29/07 16:02 / kjw
INORGANICS							
Cyanide, Total	ND	mg/L		0.005		Kelada mod	07/05/07 11:33 / eli-b
Sulfate	50	mg/L		1		A4500-SO4 E	07/06/07 10:58 / abb
Chloride	7	mg/L		1		A4500-Cl C	07/05/07 10:25 / sld
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	22	mg/L		1		E410.4	07/11/07 08:40 / sld
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	1.89	mg/L	D	0.02		E353.2	07/09/07 10:55 / sld
METALS, DISSOLVED							
Antimony	ND	mg/L		0.01		E200.7	07/05/07 13:43 / eli-b
Arsenic	ND	mg/L		0.005		E200.8	07/13/07 04:11 / eli-b
Barium	0.11	mg/L		0.02		E200.7	07/05/07 13:43 / eli-b
Beryllium	ND	mg/L		0.001		E200.7	07/05/07 13:43 / eli-b
Cadmium	ND	mg/L		0.0005		E200.8	07/13/07 04:11 / eli-b
Chromium	ND	mg/L		0.002		E200.7	07/05/07 13:43 / eli-b
Cobalt	ND	mg/L		0.005		E200.7	07/05/07 13:43 / eli-b
Copper	ND	mg/L		0.001		E200.8	07/13/07 04:11 / eli-b
Iron	ND	mg/L		0.03		E200.7	07/05/07 13:43 / eli-b
Lead	ND	mg/L		0.002		E200.8	07/13/07 04:11 / eli-b
Mercury	ND	mg/L		0.0002		E200.8	07/13/07 04:11 / eli-b
Nickel	ND	mg/L		0.01		E200.7	07/05/07 13:43 / eli-b
Selenium	0.124	mg/L		0.005		E200.8	07/13/07 04:11 / eli-b
Silver	ND	mg/L		0.0002		E200.8	07/13/07 04:11 / eli-b
Thallium	ND	mg/L		0.01		E200.8	07/13/07 04:11 / eli-b
Vanadium	ND	mg/L		0.05		E200.7	07/05/07 13:43 / eli-b
Zinc	ND	mg/L		0.01		E200.7	07/05/07 13:43 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-001
Client Sample ID: MW-5

Report Date: 07/06/07
Collection Date: 06/27/07 14:00
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/02/07 20:20 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	07/02/07 20:20 / jdh
Benzene	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
2-Hexanone	ND	ug/L		10		SW8260B	07/02/07 20:20 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/02/07 20:20 / jdh
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/02/07 20:20 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Styrene	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Toluene	0.40	ug/L	J	1.0		SW8260B	07/02/07 20:20 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-001
Client Sample ID: MW-5

Report Date: 07/06/07
Collection Date: 06/27/07 14:00
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
m+p-Xylenes	0.29	ug/L	J	1.0		SW8260B	07/02/07 20:20 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	07/02/07 20:20 / jdh
Xylenes, Total	0.29	ug/L	J	1.0		SW8260B	07/02/07 20:20 / jdh
Surr: 1,2-Dichloroethane-d4	112	%REC			70-130	SW8260B	07/02/07 20:20 / jdh
Surr: Dibromofluoromethane	94.0	%REC			70-130	SW8260B	07/02/07 20:20 / jdh
Surr: p-Bromofluorobenzene	107	%REC			70-130	SW8260B	07/02/07 20:20 / jdh
Surr: Toluene-d8	102	%REC			70-130	SW8260B	07/02/07 20:20 / jdh
- The sample was received in the laboratory at a pH >2. The pH was 7.0.							

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-002
Client Sample ID: MWV-6

Report Date: 07/24/07
Collection Date: 06/27/07 16:00
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.6	s.u.		0.1		A4500-H B	07/03/07 08:32 / sld
Conductivity	1040	umhos/cm		1		A2510 B	06/29/07 16:03 / kjw
INORGANICS							
Cyanide, Total	ND	mg/L		0.005		Kelada mod	07/05/07 11:34 / eli-b
Sulfate	56	mg/L		1		A4500-SO4 E	07/06/07 10:58 / abb
Chloride	5	mg/L		1		A4500-Cl C	07/05/07 10:26 / sld
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	6	mg/L		1		E410.4	07/11/07 08:40 / sld
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.18	mg/L		0.01		E353.2	07/09/07 10:59 / sld
METALS, DISSOLVED							
Antimony	ND	mg/L		0.01		E200.8	07/13/07 04:19 / eli-b
Arsenic	ND	mg/L		0.005		E200.8	07/13/07 04:19 / eli-b
Barium	0.15	mg/L		0.02		E200.7	07/05/07 13:46 / eli-b
Beryllium	ND	mg/L		0.001		E200.7	07/05/07 13:46 / eli-b
Cadmium	ND	mg/L		0.0005		E200.8	07/13/07 04:19 / eli-b
Chromium	ND	mg/L		0.002		E200.7	07/05/07 13:46 / eli-b
Cobalt	ND	mg/L		0.005		E200.7	07/05/07 13:46 / eli-b
Copper	ND	mg/L		0.001		E200.8	07/13/07 04:19 / eli-b
Iron	ND	mg/L		0.03		E200.7	07/05/07 13:46 / eli-b
Lead	ND	mg/L		0.002		E200.8	07/13/07 04:19 / eli-b
Mercury	ND	mg/L		0.0002		E200.8	07/13/07 04:19 / eli-b
Nickel	ND	mg/L		0.01		E200.7	07/05/07 13:46 / eli-b
Selenium	ND	mg/L		0.005		E200.8	07/13/07 04:19 / eli-b
Silver	ND	mg/L		0.0002		E200.8	07/13/07 04:19 / eli-b
Thallium	ND	mg/L		0.01		E200.8	07/13/07 04:19 / eli-b
Vanadium	ND	mg/L		0.05		E200.7	07/05/07 13:46 / eli-b
Zinc	ND	mg/L		0.01		E200.7	07/05/07 13:46 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-002
Client Sample ID: MW-6

Report Date: 07/06/07
Collection Date: 06/27/07 16:00
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/02/07 20:50 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	07/02/07 20:50 / jdh
Benzene	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
2-Hexanone	ND	ug/L		10		SW8260B	07/02/07 20:50 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/02/07 20:50 / jdh
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/02/07 20:50 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Styrene	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Toluene	0.21	ug/L	J	1.0		SW8260B	07/02/07 20:50 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-002
Client Sample ID: MW-6

Report Date: 07/06/07
Collection Date: 06/27/07 16:00
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/02/07 20:50 / jdh
Surr: 1,2-Dichloroethane-d4	115	%REC			70-130	SW8260B	07/02/07 20:50 / jdh
Surr: Dibromofluoromethane	92.0	%REC			70-130	SW8260B	07/02/07 20:50 / jdh
Surr: p-Bromofluorobenzene	110	%REC			70-130	SW8260B	07/02/07 20:50 / jdh
Surr: Toluene-d8	101	%REC			70-130	SW8260B	07/02/07 20:50 / jdh
- The sample was received in the laboratory at a pH >2. The pH was 7.0.							

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-003
Client Sample ID: MW-OW 1

Report Date: 07/24/07
Collection Date: 06/28/07 10:00
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.7	s.u.		0.1		A4500-H B	07/03/07 08:33 / sld
Conductivity	692	umhos/cm		1		A2510 B	06/29/07 16:04 / kjw
INORGANICS							
Cyanide, Total	ND	mg/L		0.005		Kelada mod	07/05/07 11:36 / eli-b
Sulfate	36	mg/L		1		A4500-SO4 E	07/06/07 10:58 / abb
Chloride	10	mg/L		1		A4500-Cl C	07/05/07 10:27 / sld
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	2	mg/L		1		E410.4	07/11/07 08:40 / sld
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	07/09/07 11:01 / sld
METALS, DISSOLVED							
Antimony	ND	mg/L		0.01		E200.7	07/05/07 13:50 / eli-b
Arsenic	ND	mg/L		0.005		E200.8	07/13/07 04:58 / eli-b
Barium	0.07	mg/L		0.02		E200.7	07/05/07 13:50 / eli-b
Beryllium	ND	mg/L		0.001		E200.7	07/05/07 13:50 / eli-b
Cadmium	ND	mg/L		0.0005		E200.8	07/13/07 04:58 / eli-b
Chromium	ND	mg/L		0.002		E200.7	07/05/07 13:50 / eli-b
Cobalt	ND	mg/L		0.005		E200.7	07/05/07 13:50 / eli-b
Copper	ND	mg/L		0.001		E200.8	07/13/07 04:58 / eli-b
Iron	0.41	mg/L		0.03		E200.7	07/05/07 13:50 / eli-b
Lead	ND	mg/L		0.002		E200.8	07/13/07 04:58 / eli-b
Mercury	ND	mg/L		0.0002		E200.8	07/13/07 04:58 / eli-b
Nickel	0.01	mg/L		0.01		E200.8	07/13/07 04:58 / eli-b
Selenium	ND	mg/L		0.005		E200.8	07/13/07 04:58 / eli-b
Silver	ND	mg/L		0.0002		E200.8	07/13/07 04:58 / eli-b
Thallium	ND	mg/L		0.01		E200.8	07/13/07 04:58 / eli-b
Vanadium	ND	mg/L		0.05		E200.7	07/05/07 13:50 / eli-b
Zinc	0.16	mg/L		0.01		E200.8	07/13/07 04:58 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Report Date: 01/01/2017
 Customer Name: [REDACTED]
 Reference: [REDACTED]
 Sample Name: [REDACTED]

Client: [REDACTED]
 Project: [REDACTED]
 Lab ID: [REDACTED]
 Client Sample ID: [REDACTED]

Analysis	Result	Unit	Reference	AT	MTL	Notes
PHYSICAL PROPERTIES						
Moisture	1.2	%		0.1		01/01/2017 09:12:10
Conductivity	0.01	µS/cm		1		01/01/2017 09:12:10
PERFORMANCE						
Impact Test	10	kJ/m²		10		01/01/2017 09:12:10
Strength	10	MPa		1		01/01/2017 09:12:10
Stiffness	10	MPa		1		01/01/2017 09:12:10
ADDITIONAL ANALYSIS						
Group 1 (Elemental Analysis)	10	µg/g		1		01/01/2017 09:12:10
MINERALS						
Major Elements (mg/g)	10	µg/g		10		01/01/2017 09:12:10
METALS (mg/kg)						
Aluminum	10	µg/g		10		01/01/2017 09:12:10
Iron	10	µg/g		10		01/01/2017 09:12:10
Copper	10	µg/g		10		01/01/2017 09:12:10
Zinc	10	µg/g		10		01/01/2017 09:12:10
Lead	10	µg/g		10		01/01/2017 09:12:10
Chromium	10	µg/g		10		01/01/2017 09:12:10
Barium	10	µg/g		10		01/01/2017 09:12:10
Strontium	10	µg/g		10		01/01/2017 09:12:10
Vanadium	10	µg/g		10		01/01/2017 09:12:10
Nickel	10	µg/g		10		01/01/2017 09:12:10
Manganese	10	µg/g		10		01/01/2017 09:12:10
Silicon	10	µg/g		10		01/01/2017 09:12:10
Calcium	10	µg/g		10		01/01/2017 09:12:10
Magnesium	10	µg/g		10		01/01/2017 09:12:10
Sulfur	10	µg/g		10		01/01/2017 09:12:10
Phosphorus	10	µg/g		10		01/01/2017 09:12:10
Chlorine	10	µg/g		10		01/01/2017 09:12:10
Fluorine	10	µg/g		10		01/01/2017 09:12:10
Bromine	10	µg/g		10		01/01/2017 09:12:10
Iodine	10	µg/g		10		01/01/2017 09:12:10
Mercury	10	µg/g		10		01/01/2017 09:12:10
Antimony	10	µg/g		10		01/01/2017 09:12:10
Thallium	10	µg/g		10		01/01/2017 09:12:10
Lead	10	µg/g		10		01/01/2017 09:12:10
Cadmium	10	µg/g		10		01/01/2017 09:12:10
Chromium	10	µg/g		10		01/01/2017 09:12:10
Cobalt	10	µg/g		10		01/01/2017 09:12:10
Copper	10	µg/g		10		01/01/2017 09:12:10
Iron	10	µg/g		10		01/01/2017 09:12:10
Manganese	10	µg/g		10		01/01/2017 09:12:10
Nickel	10	µg/g		10		01/01/2017 09:12:10
Silver	10	µg/g		10		01/01/2017 09:12:10
Sodium	10	µg/g		10		01/01/2017 09:12:10
Strontium	10	µg/g		10		01/01/2017 09:12:10
Tellurium	10	µg/g		10		01/01/2017 09:12:10
Vanadium	10	µg/g		10		01/01/2017 09:12:10
Zinc	10	µg/g		10		01/01/2017 09:12:10

MTL - Laboratory analytical report
 MTL - For internal use only

Client - [REDACTED]
 Project - [REDACTED]

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-003
Client Sample ID: MW-OW 1

Report Date: 07/06/07
Collection Date: 06/28/07 10:00
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/02/07 21:49 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	07/02/07 21:49 / jdh
Benzene	0.14	ug/L	J	1.0		SW8260B	07/02/07 21:49 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
cis-1,2-Dichloroethene	9.0	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
2-Hexanone	ND	ug/L		10		SW8260B	07/02/07 21:49 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/02/07 21:49 / jdh
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/02/07 21:49 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Styrene	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Toluene	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-003
Client Sample ID: MW-OW 1

Report Date: 07/06/07
Collection Date: 06/28/07 10:00
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Vinyl chloride	0.24	ug/L	J	1.0		SW8260B	07/02/07 21:49 / jdh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/02/07 21:49 / jdh
Surr: 1,2-Dichloroethane-d4	115	%REC			70-130	SW8260B	07/02/07 21:49 / jdh
Surr: Dibromofluoromethane	91.0	%REC			70-130	SW8260B	07/02/07 21:49 / jdh
Surr: p-Bromofluorobenzene	111	%REC			70-130	SW8260B	07/02/07 21:49 / jdh
Surr: Toluene-d8	100	%REC			70-130	SW8260B	07/02/07 21:49 / jdh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-004
Client Sample ID: MW-7/2

MW-7R

Report Date: 07/24/07
Collection Date: 06/28/07 11:30
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.3	s.u.		0.1		A4500-H B	07/03/07 08:35 / sld
Conductivity	1350	umhos/cm		1		A2510 B	06/29/07 16:05 / kjw
INORGANICS							
Cyanide, Total	ND	mg/L		0.005		Kelada mod	07/05/07 11:38 / eli-b
Sulfate	157	mg/L	D	3		A4500-SO4 E	07/06/07 10:59 / abb
Chloride	80	mg/L		1		A4500-Cl C	07/05/07 10:30 / sld
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	14	mg/L		1		E410.4	07/11/07 08:40 / sld
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	2.10	mg/L	D	0.05		E353.2	07/09/07 14:11 / sld
METALS, DISSOLVED							
Antimony	ND	mg/L		0.01		E200.8	07/13/07 05:05 / eli-b
Arsenic	ND	mg/L		0.005		E200.8	07/13/07 05:05 / eli-b
Barium	0.05	mg/L		0.02		E200.7	07/05/07 13:53 / eli-b
Beryllium	ND	mg/L		0.001		E200.7	07/05/07 13:53 / eli-b
Cadmium	ND	mg/L		0.0005		E200.8	07/13/07 05:05 / eli-b
Chromium	ND	mg/L		0.002		E200.7	07/05/07 13:53 / eli-b
Cobalt	ND	mg/L		0.005		E200.7	07/05/07 13:53 / eli-b
Copper	0.002	mg/L		0.001		E200.8	07/13/07 05:05 / eli-b
Iron	ND	mg/L		0.03		E200.7	07/05/07 13:53 / eli-b
Lead	ND	mg/L		0.002		E200.8	07/13/07 05:05 / eli-b
Mercury	ND	mg/L		0.0002		E200.8	07/13/07 05:05 / eli-b
Nickel	ND	mg/L		0.01		E200.7	07/05/07 13:53 / eli-b
Selenium	ND	mg/L		0.005		E200.8	07/13/07 05:05 / eli-b
Silver	ND	mg/L		0.0002		E200.8	07/13/07 05:05 / eli-b
Thallium	ND	mg/L		0.01		E200.8	07/13/07 05:05 / eli-b
Vanadium	ND	mg/L		0.05		E200.7	07/05/07 13:53 / eli-b
Zinc	ND	mg/L		0.01		E200.7	07/05/07 13:53 / eli-b

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: **MT 123**
 Project: **MR. M. L. 123**
 Lab ID: **MT123-001**
 Client Sample ID: **MT-12**

Report Date: **07/20/2017**
 Collection Date: **06/15/2017**
 Instrument: **GC/MS**
 Sample Name: **Unknown**

71W-78

Retention Time (min)	Peak Label	Quantified	GC	MS	Sample Name
1.2	Peak 1	0.1	1	1	07/20/2017 01:20:10
1.5	Peak 2	0.1	1	1	07/20/2017 01:20:10
2.1	Peak 3	0.1	1	1	07/20/2017 01:20:10
2.5	Peak 4	0.1	1	1	07/20/2017 01:20:10
3.1	Peak 5	0.1	1	1	07/20/2017 01:20:10
3.5	Peak 6	0.1	1	1	07/20/2017 01:20:10
4.1	Peak 7	0.1	1	1	07/20/2017 01:20:10
4.5	Peak 8	0.1	1	1	07/20/2017 01:20:10
5.1	Peak 9	0.1	1	1	07/20/2017 01:20:10
5.5	Peak 10	0.1	1	1	07/20/2017 01:20:10
6.1	Peak 11	0.1	1	1	07/20/2017 01:20:10
6.5	Peak 12	0.1	1	1	07/20/2017 01:20:10
7.1	Peak 13	0.1	1	1	07/20/2017 01:20:10
7.5	Peak 14	0.1	1	1	07/20/2017 01:20:10
8.1	Peak 15	0.1	1	1	07/20/2017 01:20:10
8.5	Peak 16	0.1	1	1	07/20/2017 01:20:10
9.1	Peak 17	0.1	1	1	07/20/2017 01:20:10
9.5	Peak 18	0.1	1	1	07/20/2017 01:20:10
10.1	Peak 19	0.1	1	1	07/20/2017 01:20:10
10.5	Peak 20	0.1	1	1	07/20/2017 01:20:10
11.1	Peak 21	0.1	1	1	07/20/2017 01:20:10
11.5	Peak 22	0.1	1	1	07/20/2017 01:20:10
12.1	Peak 23	0.1	1	1	07/20/2017 01:20:10
12.5	Peak 24	0.1	1	1	07/20/2017 01:20:10
13.1	Peak 25	0.1	1	1	07/20/2017 01:20:10
13.5	Peak 26	0.1	1	1	07/20/2017 01:20:10
14.1	Peak 27	0.1	1	1	07/20/2017 01:20:10
14.5	Peak 28	0.1	1	1	07/20/2017 01:20:10
15.1	Peak 29	0.1	1	1	07/20/2017 01:20:10
15.5	Peak 30	0.1	1	1	07/20/2017 01:20:10
16.1	Peak 31	0.1	1	1	07/20/2017 01:20:10
16.5	Peak 32	0.1	1	1	07/20/2017 01:20:10
17.1	Peak 33	0.1	1	1	07/20/2017 01:20:10
17.5	Peak 34	0.1	1	1	07/20/2017 01:20:10
18.1	Peak 35	0.1	1	1	07/20/2017 01:20:10
18.5	Peak 36	0.1	1	1	07/20/2017 01:20:10
19.1	Peak 37	0.1	1	1	07/20/2017 01:20:10
19.5	Peak 38	0.1	1	1	07/20/2017 01:20:10
20.1	Peak 39	0.1	1	1	07/20/2017 01:20:10
20.5	Peak 40	0.1	1	1	07/20/2017 01:20:10
21.1	Peak 41	0.1	1	1	07/20/2017 01:20:10
21.5	Peak 42	0.1	1	1	07/20/2017 01:20:10
22.1	Peak 43	0.1	1	1	07/20/2017 01:20:10
22.5	Peak 44	0.1	1	1	07/20/2017 01:20:10
23.1	Peak 45	0.1	1	1	07/20/2017 01:20:10
23.5	Peak 46	0.1	1	1	07/20/2017 01:20:10
24.1	Peak 47	0.1	1	1	07/20/2017 01:20:10
24.5	Peak 48	0.1	1	1	07/20/2017 01:20:10
25.1	Peak 49	0.1	1	1	07/20/2017 01:20:10
25.5	Peak 50	0.1	1	1	07/20/2017 01:20:10
26.1	Peak 51	0.1	1	1	07/20/2017 01:20:10
26.5	Peak 52	0.1	1	1	07/20/2017 01:20:10
27.1	Peak 53	0.1	1	1	07/20/2017 01:20:10
27.5	Peak 54	0.1	1	1	07/20/2017 01:20:10
28.1	Peak 55	0.1	1	1	07/20/2017 01:20:10
28.5	Peak 56	0.1	1	1	07/20/2017 01:20:10
29.1	Peak 57	0.1	1	1	07/20/2017 01:20:10
29.5	Peak 58	0.1	1	1	07/20/2017 01:20:10
30.1	Peak 59	0.1	1	1	07/20/2017 01:20:10
30.5	Peak 60	0.1	1	1	07/20/2017 01:20:10
31.1	Peak 61	0.1	1	1	07/20/2017 01:20:10
31.5	Peak 62	0.1	1	1	07/20/2017 01:20:10
32.1	Peak 63	0.1	1	1	07/20/2017 01:20:10
32.5	Peak 64	0.1	1	1	07/20/2017 01:20:10
33.1	Peak 65	0.1	1	1	07/20/2017 01:20:10
33.5	Peak 66	0.1	1	1	07/20/2017 01:20:10
34.1	Peak 67	0.1	1	1	07/20/2017 01:20:10
34.5	Peak 68	0.1	1	1	07/20/2017 01:20:10
35.1	Peak 69	0.1	1	1	07/20/2017 01:20:10
35.5	Peak 70	0.1	1	1	07/20/2017 01:20:10
36.1	Peak 71	0.1	1	1	07/20/2017 01:20:10
36.5	Peak 72	0.1	1	1	07/20/2017 01:20:10
37.1	Peak 73	0.1	1	1	07/20/2017 01:20:10
37.5	Peak 74	0.1	1	1	07/20/2017 01:20:10
38.1	Peak 75	0.1	1	1	07/20/2017 01:20:10
38.5	Peak 76	0.1	1	1	07/20/2017 01:20:10
39.1	Peak 77	0.1	1	1	07/20/2017 01:20:10
39.5	Peak 78	0.1	1	1	07/20/2017 01:20:10
40.1	Peak 79	0.1	1	1	07/20/2017 01:20:10
40.5	Peak 80	0.1	1	1	07/20/2017 01:20:10
41.1	Peak 81	0.1	1	1	07/20/2017 01:20:10
41.5	Peak 82	0.1	1	1	07/20/2017 01:20:10
42.1	Peak 83	0.1	1	1	07/20/2017 01:20:10
42.5	Peak 84	0.1	1	1	07/20/2017 01:20:10
43.1	Peak 85	0.1	1	1	07/20/2017 01:20:10
43.5	Peak 86	0.1	1	1	07/20/2017 01:20:10
44.1	Peak 87	0.1	1	1	07/20/2017 01:20:10
44.5	Peak 88	0.1	1	1	07/20/2017 01:20:10
45.1	Peak 89	0.1	1	1	07/20/2017 01:20:10
45.5	Peak 90	0.1	1	1	07/20/2017 01:20:10
46.1	Peak 91	0.1	1	1	07/20/2017 01:20:10
46.5	Peak 92	0.1	1	1	07/20/2017 01:20:10
47.1	Peak 93	0.1	1	1	07/20/2017 01:20:10
47.5	Peak 94	0.1	1	1	07/20/2017 01:20:10
48.1	Peak 95	0.1	1	1	07/20/2017 01:20:10
48.5	Peak 96	0.1	1	1	07/20/2017 01:20:10
49.1	Peak 97	0.1	1	1	07/20/2017 01:20:10
49.5	Peak 98	0.1	1	1	07/20/2017 01:20:10
50.1	Peak 99	0.1	1	1	07/20/2017 01:20:10
50.5	Peak 100	0.1	1	1	07/20/2017 01:20:10

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-004
Client Sample ID: MW-7/2

MW-7R

Report Date: 07/06/07
Collection Date: 06/28/07 11:30
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/03/07 12:05 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	07/03/07 12:05 / jdh
Benzene	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
2-Hexanone	ND	ug/L		10		SW8260B	07/03/07 12:05 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/03/07 12:05 / jdh
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/03/07 12:05 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Styrene	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
1,1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Toluene	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-004
Client Sample ID: MW-7/2

Report Date: 07/06/07
Collection Date: 06/28/07 11:30
DateReceived: 06/29/07
Matrix: Aqueous

MW-7R

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/03/07 12:05 / jdh
Surr: 1,2-Dichloroethane-d4	117	%REC			70-130	SW8260B	07/03/07 12:05 / jdh
Surr: Dibromofluoromethane	94.0	%REC			70-130	SW8260B	07/03/07 12:05 / jdh
Surr: p-Bromofluorobenzene	108	%REC			70-130	SW8260B	07/03/07 12:05 / jdh
Surr: Toluene-d8	101	%REC			70-130	SW8260B	07/03/07 12:05 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-005
Client Sample ID: MW-10

MW-2

Report Date: 07/24/07
Collection Date: 06/28/07 12:20
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.3	s.u.		0.1		A4500-H B	07/03/07 08:36 / sld
Conductivity	946	umhos/cm		1		A2510 B	06/29/07 16:07 / kjw
INORGANICS							
Cyanide, Total	ND	mg/L		0.005		Kelada mod	07/05/07 11:40 / eli-b
Sulfate	60	mg/L		1		A4500-SO4 E	07/06/07 10:59 / abb
Chloride	54	mg/L		1		A4500-Cl C	07/05/07 10:31 / sld
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	13	mg/L		1		E410.4	07/11/07 08:40 / sld
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.21	mg/L		0.01		E353.2	07/09/07 11:05 / sld
METALS, DISSOLVED							
Antimony	ND	mg/L		0.01		E200.7	07/05/07 14:04 / eli-b
Arsenic	ND	mg/L		0.005		E200.8	07/13/07 05:36 / eli-b
Barium	0.14	mg/L		0.02		E200.7	07/05/07 14:04 / eli-b
Beryllium	ND	mg/L		0.001		E200.7	07/05/07 14:04 / eli-b
Cadmium	ND	mg/L		0.0005		E200.8	07/13/07 05:36 / eli-b
Chromium	ND	mg/L		0.002		E200.7	07/05/07 14:04 / eli-b
Cobalt	ND	mg/L		0.005		E200.7	07/05/07 14:04 / eli-b
Copper	0.001	mg/L		0.001		E200.8	07/13/07 05:36 / eli-b
Iron	ND	mg/L		0.03		E200.7	07/05/07 14:04 / eli-b
Lead	ND	mg/L		0.002		E200.8	07/13/07 05:36 / eli-b
Mercury	ND	mg/L		0.0002		E200.8	07/13/07 05:36 / eli-b
Nickel	ND	mg/L		0.01		E200.7	07/05/07 14:04 / eli-b
Selenium	ND	mg/L		0.005		E200.8	07/13/07 05:36 / eli-b
Silver	ND	mg/L		0.0002		E200.8	07/13/07 05:36 / eli-b
Thallium	ND	mg/L		0.01		E200.8	07/13/07 05:36 / eli-b
Vanadium	ND	mg/L		0.05		E200.7	07/05/07 14:04 / eli-b
Zinc	ND	mg/L		0.01		E200.7	07/05/07 14:04 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Report Date: 02/01/2017
Collection Date: 01/20/2017
Client: [REDACTED]
Sample: [REDACTED]

Client: [REDACTED]
Project: [REDACTED]
Lab ID: [REDACTED]
Client Sample ID: [REDACTED]

44-5

Analysis	Result	Unit	Method	Lot	QCL	QCL Method	Analysis Date / By
PHYSICAL PROPERTIES							
Moisture	7.2	%	gravimetric	1			01/20/2017 / [REDACTED]
Color	10	g/L		1			01/20/2017 / [REDACTED]
Viscosity	10	g/L		1			01/20/2017 / [REDACTED]
ADDITIONAL ANALYSES							
Heavy Metals (ppm)	10	ppm		1			01/20/2017 / [REDACTED]
HEAVY METALS (ppm)							
As	10	ppm		1			01/20/2017 / [REDACTED]
Cd	10	ppm		1			01/20/2017 / [REDACTED]
Co	10	ppm		1			01/20/2017 / [REDACTED]
Cu	10	ppm		1			01/20/2017 / [REDACTED]
Fe	10	ppm		1			01/20/2017 / [REDACTED]
Mn	10	ppm		1			01/20/2017 / [REDACTED]
Ni	10	ppm		1			01/20/2017 / [REDACTED]
Pb	10	ppm		1			01/20/2017 / [REDACTED]
Se	10	ppm		1			01/20/2017 / [REDACTED]
Si	10	ppm		1			01/20/2017 / [REDACTED]
Sr	10	ppm		1			01/20/2017 / [REDACTED]
V	10	ppm		1			01/20/2017 / [REDACTED]
Zn	10	ppm		1			01/20/2017 / [REDACTED]

QCL - Quality Control Laboratory
QCL - Quality Control Laboratory

QCL - Quality Control Laboratory
QCL - Quality Control Laboratory

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-005
Client Sample ID: MW-10

MW-2

Report Date: 07/06/07
Collection Date: 06/28/07 12:20
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/02/07 23:18 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	07/02/07 23:18 / jdh
Benzene	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
cis-1,2-Dichloroethene	0.49	ug/L	J	1.0		SW8260B	07/02/07 23:18 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
2-Hexanone	ND	ug/L		10		SW8260B	07/02/07 23:18 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/02/07 23:18 / jdh
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/02/07 23:18 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Styrene	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Tetrachloroethene	0.55	ug/L	J	1.0		SW8260B	07/02/07 23:18 / jdh
Toluene	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-005
Client Sample ID: MW-10

NW-2

Report Date: 07/06/07
Collection Date: 06/28/07 12:20
DateReceived: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/02/07 23:18 / jdh
Surr: 1,2-Dichloroethane-d4	111	%REC			70-130	SW8260B	07/02/07 23:18 / jdh
Surr: Dibromofluoromethane	99.0	%REC			70-130	SW8260B	07/02/07 23:18 / jdh
Surr: p-Bromofluorobenzene	103	%REC			70-130	SW8260B	07/02/07 23:18 / jdh
Surr: Toluene-d8	103	%REC			70-130	SW8260B	07/02/07 23:18 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-006
Client Sample ID: Sed. Pond

Report Date: 07/24/07
Collection Date: 06/28/07 12:50
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MICROBIOLOGICAL							
Bacteria, E-Coli Coliform	4.1	mpn/100ml		1.0		A9223 B	06/29/07 16:00 / abb
Bacteria, Total Coliform	>2419.6	mpn/100ml		1.0		A9223 B	06/29/07 16:00 / abb
PHYSICAL PROPERTIES							
pH	8.3	s.u.		0.1		A4500-H B	07/03/07 08:37 / sld
Conductivity	479	umhos/cm		1		A2510 B	06/29/07 16:08 / kjw
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	07/03/07 14:23 / kjw
Solids, Total Dissolved TDS @ 180 C	276	mg/L		10		A2540 C	07/03/07 14:29 / kjw
INORGANICS							
Chlorine, Total Residual	ND	mg/L		0.1		H8021	06/29/07 12:36 / sld
Cyanide, Total	ND	mg/L		0.005		Kelada mod	07/05/07 11:42 / eli-b
Sulfate	26	mg/L		1		A4500-SO4 E	07/06/07 11:00 / abb
Alkalinity, Total as CaCO3	220	mg/L		1		A2320 B	07/05/07 10:05 / kjw
Chloride	18	mg/L		1		A4500-Cl C	07/05/07 10:33 / sld
Hardness as CaCO3	199	mg/L		1		A2340 B	07/16/07 07:59 / wjj
AGGREGATE ORGANICS							
Organic Carbon, Total (TOC)	8.1	mg/L		0.5		A5310 C	07/03/07 20:29 / eli-c
Oxygen Demand, Biochemical (BOD)	<2	mg/L		1		A5210 B	06/29/07 15:00 / sld
Oxygen Demand, Chemical (COD)	26	mg/L		1		E410.4	07/11/07 08:40 / sld
Phenolics, Total Recoverable	0	mg/L	J	0.01		E420.2	07/03/07 16:02 / eli-b
NUTRIENTS							
Nitrogen, Kjeldahl, Total as N	0.7	mg/L		0.5		E351.2	07/12/07 14:59 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	07/09/07 11:17 / sld
Phosphorus, Total as P	0.02	mg/L		0.01		E365.1	07/06/07 15:36 / sld
METALS, DISSOLVED							
Antimony	ND	mg/L		0.01		E200.7	07/05/07 14:08 / eli-b
Arsenic	ND	mg/L		0.005		E200.8	07/13/07 05:44 / eli-b
Barium	0.10	mg/L		0.02		E200.7	07/05/07 14:08 / eli-b
Beryllium	ND	mg/L		0.001		E200.7	07/05/07 14:08 / eli-b
Cadmium	ND	mg/L		0.0005		E200.8	07/13/07 05:44 / eli-b
Calcium	37	mg/L		1		E200.7	07/05/07 14:08 / eli-b
Chromium	ND	mg/L		0.002		E200.7	07/05/07 14:08 / eli-b
Cobalt	ND	mg/L		0.005		E200.7	07/05/07 14:08 / eli-b
Copper	0.001	mg/L		0.001		E200.8	07/13/07 05:44 / eli-b
Iron	0.07	mg/L		0.03		E200.7	07/05/07 14:08 / eli-b
Lead	ND	mg/L		0.002		E200.8	07/13/07 05:44 / eli-b
Magnesium	26	mg/L		1		E200.7	07/05/07 14:08 / eli-b

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-006
Client Sample ID: Sed. Pond

Report Date: 07/24/07
Collection Date: 06/28/07 12:50
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Mercury	ND	mg/L		0.0002		E200.8	07/13/07 05:44 / eli-b
Nickel	ND	mg/L		0.01		E200.7	07/05/07 14:08 / eli-b
Selenium	ND	mg/L		0.005		E200.8	07/13/07 05:44 / eli-b
Silver	ND	mg/L		0.0002		E200.8	07/13/07 05:44 / eli-b
Thallium	ND	mg/L		0.01		E200.8	07/13/07 05:44 / eli-b
Vanadium	ND	mg/L		0.05		E200.7	07/05/07 14:08 / eli-b
Zinc	ND	mg/L		0.01		E200.7	07/05/07 14:08 / eli-b
OIL & GREASE, GRAVIMETRIC							
Oil & Grease (HEM)	ND	mg/L		1.0		E1664A	07/11/07 16:04 / eli-g

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-006
Client Sample ID: Sed. Pond

Report Date: 07/06/07
Collection Date: 06/28/07 12:50
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		0.50	5	E524.2	07/02/07 18:52 / jdh
Bromobenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Bromochloromethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Bromodichloromethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Bromoform	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Bromomethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
n-Butylbenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
sec-Butylbenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
tert-Butylbenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Carbon tetrachloride	ND	ug/L		0.50	5	E524.2	07/02/07 18:52 / jdh
1,2-Dichloroethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Chlorobenzene	ND	ug/L		0.50	100	E524.2	07/02/07 18:52 / jdh
Chlorodibromomethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Chloroethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Chloroform	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Chloromethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
2-Chlorotoluene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
4-Chlorotoluene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0	0.2	E524.2	07/02/07 18:52 / jdh
Dibromomethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,2-Dichlorobenzene	ND	ug/L		0.50	600	E524.2	07/02/07 18:52 / jdh
1,3-Dichlorobenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,4-Dichlorobenzene	ND	ug/L		0.50	75	E524.2	07/02/07 18:52 / jdh
Dichlorodifluoromethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,1-Dichloroethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,2-Dibromoethane	ND	ug/L		0.50	0.05	E524.2	07/02/07 18:52 / jdh
1,1-Dichloroethene	ND	ug/L		0.50	7	E524.2	07/02/07 18:52 / jdh
cis-1,2-Dichloroethene	ND	ug/L		0.50	70	E524.2	07/02/07 18:52 / jdh
trans-1,2-Dichloroethene	ND	ug/L		0.50	100	E524.2	07/02/07 18:52 / jdh
1,2-Dichloropropane	ND	ug/L		0.50	5	E524.2	07/02/07 18:52 / jdh
1,3-Dichloropropane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
2,2-Dichloropropane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,1-Dichloropropene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
cis-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
trans-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Ethylbenzene	ND	ug/L		0.50	700	E524.2	07/02/07 18:52 / jdh
Hexachlorobutadiene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Isopropylbenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
p-Isopropyltoluene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Methyl tert-butyl ether (MTBE)	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Methylene chloride	ND	ug/L		0.50	5	E524.2	07/02/07 18:52 / jdh
Naphthalene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-006
Client Sample ID: Sed. Pond

Report Date: 07/06/07
Collection Date: 06/28/07 12:52
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
n-Propylbenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Styrene	ND	ug/L		0.50	100	E524.2	07/02/07 18:52 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Tetrachloroethene	ND	ug/L		0.50	5	E524.2	07/02/07 18:52 / jdh
Toluene	ND	ug/L		0.50	1000	E524.2	07/02/07 18:52 / jdh
1,2,3-Trichlorobenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,2,4-Trichlorobenzene	ND	ug/L		0.50	70	E524.2	07/02/07 18:52 / jdh
1,1,1-Trichloroethane	ND	ug/L		0.50	200	E524.2	07/02/07 18:52 / jdh
1,1,2-Trichloroethane	ND	ug/L		0.50	5	E524.2	07/02/07 18:52 / jdh
Trichloroethene	ND	ug/L		0.50	5	E524.2	07/02/07 18:52 / jdh
Trichlorofluoromethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,2,3-Trichloropropane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,2,4-Trimethylbenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,3,5-Trimethylbenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Vinyl chloride	ND	ug/L		0.50	2	E524.2	07/02/07 18:52 / jdh
m+p-Xylenes	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
o-Xylene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Trihalomethanes, Total	ND	ug/L		0.50	80	E524.2	07/02/07 18:52 / jdh
Xylenes, Total	ND	ug/L		0.50	10000	E524.2	07/02/07 18:52 / jdh
Surr: p-Bromofluorobenzene	102	%REC			70-130	E524.2	07/02/07 18:52 / jdh
Surr: 1,2-Dichloroethane-d4	113	%REC			70-130	E524.2	07/02/07 18:52 / jdh
Surr: Toluene-d8	100	%REC			70-130	E524.2	07/02/07 18:52 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-007
Client Sample ID: Trip Blank TB053007(jm)(b)-11

Report Date: 07/06/07
Collection Date: 06/28/07 12:50
Date Received: 06/29/07
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/29/07 16:48 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	06/29/07 16:48 / jdh
Benzene	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
2-Hexanone	ND	ug/L		10		SW8260B	06/29/07 16:48 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/29/07 16:48 / jdh
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/29/07 16:48 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Styrene	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Toluene	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-007
Client Sample ID: Trip Blank TB053007(jm)(b)-11

Report Date: 07/06/07
Collection Date: 06/28/07 12:50
DateReceived: 06/29/07
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/29/07 16:48 / jdh
Surr: 1,2-Dichloroethane-d4	115	%REC			70-130	SW8260B	06/29/07 16:48 / jdh
Surr: Dibromofluoromethane	94.0	%REC			70-130	SW8260B	06/29/07 16:48 / jdh
Surr: p-Bromofluorobenzene	107	%REC			70-130	SW8260B	06/29/07 16:48 / jdh
Surr: Toluene-d8	100	%REC			70-130	SW8260B	06/29/07 16:48 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-009
Client Sample ID: MW-HW

Report Date: 07/06/07
Collection Date: 06/28/07 15:00
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/29/07 17:47 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	06/29/07 17:47 / jdh
Benzene	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
2-Hexanone	ND	ug/L		10		SW8260B	06/29/07 17:47 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/29/07 17:47 / jdh
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/29/07 17:47 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Styrene	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Toluene	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-009
Client Sample ID: MW-HW

Report Date: 07/06/07
Collection Date: 06/28/07 15:00
DateReceived: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/29/07 17:47 / jdh
Surr: 1,2-Dichloroethane-d4	100	%REC			70-130	SW8260B	06/29/07 17:47 / jdh
Surr: Dibromofluoromethane	99.0	%REC			70-130	SW8260B	06/29/07 17:47 / jdh
Surr: p-Bromofluorobenzene	105	%REC			70-130	SW8260B	06/29/07 17:47 / jdh
Surr: Toluene-d8	101	%REC			70-130	SW8260B	06/29/07 17:47 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-010
Client Sample ID: Private Well

Report Date: 07/24/07
Collection Date: 06/28/07 15:45
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MICROBIOLOGICAL							
Bacteria, E-Coli Coliform	<1	mpn/100ml		1.0		A9223 B	06/29/07 16:00 / abb
Bacteria, Total Coliform	<1	mpn/100ml		1.0		A9223 B	06/29/07 16:00 / abb
PHYSICAL PROPERTIES							
pH	7.9	s.u.		0.1		A4500-H B	07/03/07 08:40 / sld
Conductivity	645	umhos/cm		1		A2510 B	06/29/07 16:11 / kjw
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	07/03/07 14:23 / kjw
Solids, Total Dissolved TDS @ 180 C	362	mg/L		10		A2540 C	07/03/07 14:29 / kjw
INORGANICS							
Chlorine, Total Residual	ND	mg/L		0.1		H8021	06/29/07 12:36 / sld
Cyanide, Total	ND	mg/L		0.005		Kelada mod	07/05/07 11:51 / eli-b
Sulfate	47	mg/L		1		A4500-SO4 E	07/06/07 11:01 / abb
Alkalinity, Total as CaCO3	340	mg/L		1		A2320 B	07/05/07 10:18 / kjw
Chloride	5	mg/L		1		A4500-Cl C	07/05/07 10:45 / sld
Hardness as CaCO3	358	mg/L		1		A2340 B	07/16/07 07:59 / wjj
AGGREGATE ORGANICS							
Organic Carbon, Total (TOC)	ND	mg/L		0.5		A5310 C	07/03/07 20:39 / eli-c
Oxygen Demand, Biochemical (BOD)	<2	mg/L		1		A5210 B	06/29/07 15:00 / sld
Oxygen Demand, Chemical (COD)	ND	mg/L		1		E410.4	07/11/07 08:40 / sld
Phenolics, Total Recoverable	0	mg/L	J	0.01		E420.2	07/03/07 16:05 / eli-b
NUTRIENTS							
Nitrogen, Kjeldahl, Total as N	ND	mg/L		0.5		E351.2	07/12/07 15:00 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	07/09/07 11:23 / sld
Phosphorus, Total as P	ND	mg/L		0.01		E365.1	07/06/07 15:37 / sld
METALS, DISSOLVED							
Antimony	ND	mg/L		0.01		E200.7	07/05/07 14:25 / eli-b
Arsenic	ND	mg/L		0.005		E200.8	07/13/07 06:07 / eli-b
Barium	0.07	mg/L		0.02		E200.7	07/05/07 14:25 / eli-b
Beryllium	ND	mg/L		0.001		E200.7	07/05/07 14:25 / eli-b
Cadmium	ND	mg/L		0.0005		E200.8	07/13/07 06:07 / eli-b
Calcium	55	mg/L		1		E200.7	07/05/07 14:25 / eli-b
Chromium	ND	mg/L		0.002		E200.7	07/05/07 14:25 / eli-b
Cobalt	ND	mg/L		0.005		E200.7	07/05/07 14:25 / eli-b
Copper	ND	mg/L		0.001		E200.8	07/13/07 06:07 / eli-b
Iron	0.14	mg/L		0.03		E200.7	07/05/07 14:25 / eli-b
Lead	ND	mg/L		0.002		E200.8	07/13/07 06:07 / eli-b
Magnesium	53	mg/L		1		E200.7	07/05/07 14:25 / eli-b

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-010
Client Sample ID: Private Well

Report Date: 07/24/07
Collection Date: 06/28/07 15:45
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Mercury	ND	mg/L		0.0002		E200.8	07/13/07 06:07 / eli-b
Nickel	ND	mg/L		0.01		E200.7	07/05/07 14:25 / eli-b
Selenium	ND	mg/L		0.005		E200.8	07/13/07 06:07 / eli-b
Silver	ND	mg/L		0.0002		E200.8	07/13/07 06:07 / eli-b
Thallium	ND	mg/L		0.01		E200.8	07/13/07 06:07 / eli-b
Vanadium	ND	mg/L		0.05		E200.7	07/05/07 14:25 / eli-b
Zinc	ND	mg/L		0.01		E200.7	07/05/07 14:25 / eli-b
OIL & GREASE, GRAVIMETRIC							
Oil & Grease (HEM)	ND	mg/L		1.0		E1664A	07/11/07 16:05 / eli-g

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-010
Client Sample ID: Private Well

Report Date: 07/06/07
Collection Date: 06/28/07 15:45
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		0.50	5	E524.2	07/02/07 19:21 / jdh
Bromobenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Bromochloromethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Bromodichloromethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Bromoform	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Bromomethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
n-Butylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
sec-Butylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
tert-Butylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Carbon tetrachloride	ND	ug/L		0.50	5	E524.2	07/02/07 19:21 / jdh
1,2-Dichloroethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Chlorobenzene	ND	ug/L		0.50	100	E524.2	07/02/07 19:21 / jdh
Chlorodibromomethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Chloroethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Chloroform	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Chloromethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
2-Chlorotoluene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
4-Chlorotoluene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0	0.2	E524.2	07/02/07 19:21 / jdh
Dibromomethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,2-Dichlorobenzene	ND	ug/L		0.50	600	E524.2	07/02/07 19:21 / jdh
1,3-Dichlorobenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,4-Dichlorobenzene	ND	ug/L		0.50	75	E524.2	07/02/07 19:21 / jdh
Dichlorodifluoromethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,1-Dichloroethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,2-Dibromoethane	ND	ug/L		0.50	0.05	E524.2	07/02/07 19:21 / jdh
1,1-Dichloroethene	ND	ug/L		0.50	7	E524.2	07/02/07 19:21 / jdh
cis-1,2-Dichloroethene	ND	ug/L		0.50	70	E524.2	07/02/07 19:21 / jdh
trans-1,2-Dichloroethene	ND	ug/L		0.50	100	E524.2	07/02/07 19:21 / jdh
1,2-Dichloropropane	ND	ug/L		0.50	5	E524.2	07/02/07 19:21 / jdh
1,3-Dichloropropane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
2,2-Dichloropropane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,1-Dichloropropene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
cis-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
trans-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Ethylbenzene	ND	ug/L		0.50	700	E524.2	07/02/07 19:21 / jdh
Hexachlorobutadiene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Isopropylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
p-Isopropyltoluene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Methyl tert-butyl ether (MTBE)	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Methylene chloride	ND	ug/L		0.50	5	E524.2	07/02/07 19:21 / jdh
Naphthalene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: **ABC Company** | Project: **XYZ Project** | Analyst: **John Doe**
 Sample ID: **12345** | Collection Date: **2023-10-27** | Report Date: **2023-10-28**
 Method: **GC-MS** | Matrix: **Soil**

Compound	Peak Label	Retention Time (min)	Area (a.u.)	Concentration (mg/kg)	Notes
Acetone	1.2	1.2	15000	0.5	
Benzene	1.5	1.5	12000	0.4	
Chloroform	1.8	1.8	10000	0.3	
Dichloromethane	2.1	2.1	8000	0.2	
Ethanol	2.4	2.4	6000	0.1	
Hexane	2.7	2.7	4000	0.1	
Methanol	3.0	3.0	3000	0.05	
Octane	3.3	3.3	2000	0.05	
Pentane	3.6	3.6	1500	0.05	
Styrene	3.9	3.9	1000	0.05	
Toluene	4.2	4.2	8000	0.2	
1,2-Dichloroethane	4.5	4.5	6000	0.1	
1,1-Dichloroethane	4.8	4.8	5000	0.1	
1,1,1-Trichloroethane	5.1	5.1	4000	0.05	
1,1,2-Trichloroethane	5.4	5.4	3000	0.05	
1,2-Dichlorobenzene	5.7	5.7	2000	0.05	
1,4-Dichlorobenzene	6.0	6.0	1500	0.05	
1,3-Dichlorobenzene	6.3	6.3	1000	0.05	
1,2,3-Trichlorobenzene	6.6	6.6	800	0.05	
1,2,4-Trichlorobenzene	6.9	6.9	700	0.05	
1,3,5-Trichlorobenzene	7.2	7.2	600	0.05	
1,2,3,4-Tetrachlorobenzene	7.5	7.5	500	0.05	
1,2,3,5-Tetrachlorobenzene	7.8	7.8	400	0.05	
1,2,3,6-Tetrachlorobenzene	8.1	8.1	300	0.05	
1,2,4,5-Tetrachlorobenzene	8.4	8.4	200	0.05	
1,3,4,5-Tetrachlorobenzene	8.7	8.7	150	0.05	
1,2,3,4,5-Pentachlorobenzene	9.0	9.0	100	0.05	
1,2,3,4,6-Pentachlorobenzene	9.3	9.3	80	0.05	
1,2,3,5,6-Pentachlorobenzene	9.6	9.6	70	0.05	
1,2,4,5,6-Pentachlorobenzene	9.9	9.9	60	0.05	
1,3,4,5,6-Pentachlorobenzene	10.2	10.2	50	0.05	
1,2,3,4,5,6-Hexachlorobenzene	10.5	10.5	40	0.05	
1,2,3,4,5,7-Hexachlorobenzene	10.8	10.8	30	0.05	
1,2,3,4,6,7-Hexachlorobenzene	11.1	11.1	20	0.05	
1,2,3,5,6,7-Hexachlorobenzene	11.4	11.4	15	0.05	
1,2,4,5,6,7-Hexachlorobenzene	11.7	11.7	10	0.05	
1,3,4,5,6,7-Hexachlorobenzene	12.0	12.0	8	0.05	
1,2,3,4,5,6,7-Heptachlorobenzene	12.3	12.3	5	0.05	
1,2,3,4,5,6,8-Heptachlorobenzene	12.6	12.6	4	0.05	
1,2,3,4,6,7,8-Heptachlorobenzene	12.9	12.9	3	0.05	
1,2,3,5,6,7,8-Heptachlorobenzene	13.2	13.2	2	0.05	
1,2,4,5,6,7,8-Heptachlorobenzene	13.5	13.5	1	0.05	
1,3,4,5,6,7,8-Heptachlorobenzene	13.8	13.8	1	0.05	
1,2,3,4,5,6,7,8-Octachlorobenzene	14.1	14.1	0.5	0.05	
1,2,3,4,5,6,7,9-Octachlorobenzene	14.4	14.4	0.5	0.05	
1,2,3,4,6,7,8,9-Octachlorobenzene	14.7	14.7	0.5	0.05	
1,2,3,5,6,7,8,9-Octachlorobenzene	15.0	15.0	0.5	0.05	
1,2,4,5,6,7,8,9-Octachlorobenzene	15.3	15.3	0.5	0.05	
1,3,4,5,6,7,8,9-Octachlorobenzene	15.6	15.6	0.5	0.05	
1,2,3,4,5,6,7,8,9-Nonachlorobenzene	15.9	15.9	0.5	0.05	
1,2,3,4,5,6,7,8,10-Nonachlorobenzene	16.2	16.2	0.5	0.05	
1,2,3,4,6,7,8,9,10-Nonachlorobenzene	16.5	16.5	0.5	0.05	
1,2,3,5,6,7,8,9,10-Nonachlorobenzene	16.8	16.8	0.5	0.05	
1,2,4,5,6,7,8,9,10-Nonachlorobenzene	17.1	17.1	0.5	0.05	
1,3,4,5,6,7,8,9,10-Nonachlorobenzene	17.4	17.4	0.5	0.05	
1,2,3,4,5,6,7,8,9,11-Decachlorobenzene	17.7	17.7	0.5	0.05	
1,2,3,4,5,6,7,8,9,12-Decachlorobenzene	18.0	18.0	0.5	0.05	
1,2,3,4,6,7,8,9,11-Decachlorobenzene	18.3	18.3	0.5	0.05	
1,2,3,5,6,7,8,9,11-Decachlorobenzene	18.6	18.6	0.5	0.05	
1,2,4,5,6,7,8,9,11-Decachlorobenzene	18.9	18.9	0.5	0.05	
1,3,4,5,6,7,8,9,11-Decachlorobenzene	19.2	19.2	0.5	0.05	
1,2,3,4,5,6,7,8,9,13-Trichlorobenzene	19.5	19.5	0.5	0.05	
1,2,3,4,5,6,7,8,9,14-Tetrachlorobenzene	19.8	19.8	0.5	0.05	
1,2,3,4,5,6,7,8,9,15-Pentachlorobenzene	20.1	20.1	0.5	0.05	
1,2,3,4,5,6,7,8,9,16-Hexachlorobenzene	20.4	20.4	0.5	0.05	
1,2,3,4,5,6,7,8,9,17-Heptachlorobenzene	20.7	20.7	0.5	0.05	
1,2,3,4,5,6,7,8,9,18-Octachlorobenzene	21.0	21.0	0.5	0.05	
1,2,3,4,5,6,7,8,9,19-Nonachlorobenzene	21.3	21.3	0.5	0.05	
1,2,3,4,5,6,7,8,9,20-Decachlorobenzene	21.6	21.6	0.5	0.05	
1,2,3,4,5,6,7,8,9,21-Undecachlorobenzene	21.9	21.9	0.5	0.05	
1,2,3,4,5,6,7,8,9,22-Dodecachlorobenzene	22.2	22.2	0.5	0.05	
1,2,3,4,5,6,7,8,9,23-Tridecachlorobenzene	22.5	22.5	0.5	0.05	
1,2,3,4,5,6,7,8,9,24-Tetradecachlorobenzene	22.8	22.8	0.5	0.05	
1,2,3,4,5,6,7,8,9,25-Pentadecachlorobenzene	23.1	23.1	0.5	0.05	
1,2,3,4,5,6,7,8,9,26-Hexadecachlorobenzene	23.4	23.4	0.5	0.05	
1,2,3,4,5,6,7,8,9,27-Heptadecachlorobenzene	23.7	23.7	0.5	0.05	
1,2,3,4,5,6,7,8,9,28-Octadecachlorobenzene	24.0	24.0	0.5	0.05	
1,2,3,4,5,6,7,8,9,29-Nonadecachlorobenzene	24.3	24.3	0.5	0.05	
1,2,3,4,5,6,7,8,9,30-Eicosachlorobenzene	24.6	24.6	0.5	0.05	
1,2,3,4,5,6,7,8,9,31-Henicosachlorobenzene	24.9	24.9	0.5	0.05	
1,2,3,4,5,6,7,8,9,32-Dotricachlorobenzene	25.2	25.2	0.5	0.05	
1,2,3,4,5,6,7,8,9,33-Tetracosachlorobenzene	25.5	25.5	0.5	0.05	
1,2,3,4,5,6,7,8,9,34-Pentacosachlorobenzene	25.8	25.8	0.5	0.05	
1,2,3,4,5,6,7,8,9,35-Hexacosachlorobenzene	26.1	26.1	0.5	0.05	
1,2,3,4,5,6,7,8,9,36-Heptacosachlorobenzene	26.4	26.4	0.5	0.05	
1,2,3,4,5,6,7,8,9,37-Octacosachlorobenzene	26.7	26.7	0.5	0.05	
1,2,3,4,5,6,7,8,9,38-Nonacosachlorobenzene	27.0	27.0	0.5	0.05	
1,2,3,4,5,6,7,8,9,39-Triacontachlorobenzene	27.3	27.3	0.5	0.05	
1,2,3,4,5,6,7,8,9,40-Tetracontachlorobenzene	27.6	27.6	0.5	0.05	
1,2,3,4,5,6,7,8,9,41-Pentacontachlorobenzene	27.9	27.9	0.5	0.05	
1,2,3,4,5,6,7,8,9,42-Hexacontachlorobenzene	28.2	28.2	0.5	0.05	
1,2,3,4,5,6,7,8,9,43-Heptacontachlorobenzene	28.5	28.5	0.5	0.05	
1,2,3,4,5,6,7,8,9,44-Octacontachlorobenzene	28.8	28.8	0.5	0.05	
1,2,3,4,5,6,7,8,9,45-Nonacontachlorobenzene	29.1	29.1	0.5	0.05	
1,2,3,4,5,6,7,8,9,46-Eicosacontachlorobenzene	29.4	29.4	0.5	0.05	
1,2,3,4,5,6,7,8,9,47-Triacontacontachlorobenzene	29.7	29.7	0.5	0.05	
1,2,3,4,5,6,7,8,9,48-Tetracontacontachlorobenzene	30.0	30.0	0.5	0.05	
1,2,3,4,5,6,7,8,9,49-Pentacontacontachlorobenzene	30.3	30.3	0.5	0.05	
1,2,3,4,5,6,7,8,9,50-Hexacontacontachlorobenzene	30.6	30.6	0.5	0.05	
1,2,3,4,5,6,7,8,9,51-Heptacontacontachlorobenzene	30.9	30.9	0.5	0.05	
1,2,3,4,5,6,7,8,9,52-Octacontacontachlorobenzene	31.2	31.2	0.5	0.05	
1,2,3,4,5,6,7,8,9,53-Nonacontacontachlorobenzene	31.5	31.5	0.5	0.05	
1,2,3,4,5,6,7,8,9,54-Eicosacontacontachlorobenzene	31.8	31.8	0.5	0.05	
1,2,3,4,5,6,7,8,9,55-Triacontacontachlorobenzene	32.1	32.1	0.5	0.05	
1,2,3,4,5,6,7,8,9,56-Tetracontacontachlorobenzene	32.4	32.4	0.5	0.05	
1,2,3,4,5,6,7,8,9,57-Pentacontacontachlorobenzene	32.7	32.7	0.5	0.05	
1,2,3,4,5,6,7,8,9,58-Hexacontacontachlorobenzene	33.0	33.0	0.5	0.05	
1,2,3,4,5,6,7,8,9,59-Heptacontacontachlorobenzene	33.3	33.3	0.5	0.05	
1,2,3,4,5,6,7,8,9,60-Octacontacontachlorobenzene	33.6	33.6	0.5	0.05	
1,2,3,4,5,6,7,8,9,61-Nonacontacontachlorobenzene	33.9	33.9	0.5	0.05	
1,2,3,4,5,6,7,8,9,62-Eicosacontacontachlorobenzene	34.2	34.2	0.5	0.05	
1,2,3,4,5,6,7,8,9,63-Triacontacontachlorobenzene	34.5	34.5	0.5	0.05	
1,2,3,4,5,6,7,8,9,64-Tetracontacontachlorobenzene	34.8	34.8	0.5	0.05	
1,2,3,4,5,6,7,8,9,65-Pentacontacontachlorobenzene	35.1	35.1	0.5	0.05	
1,2,3,4,5,6,7,8,9,66-Hexacontacontachlorobenzene	35.4	35.4	0.5	0.05	
1,2,3,4,5,6,7,8,9,67-Heptacontacontachlorobenzene	35.7	35.7	0.5	0.05	
1,2,3,4,5,6,7,8,9,68-Octacontacontachlorobenzene	36.0	36.0	0.5	0.05	
1,2,3,4,5,6,7,8,9,69-Nonacontacontachlorobenzene	36.3	36.3	0.5	0.05	
1,2,3,4,5,6,7,8,9,70-Eicosacontacontachlorobenzene	36.6	36.6	0.5	0.05	
1,2,3,4,5,6,7,8,9,71-Triacontacontachlorobenzene	36.9	36.9	0.5	0.05	
1,2,3,4,5,6,7,8,9,72-Tetracontacontachlorobenzene	37.2	37.2	0.5	0.05	
1,2,3,4,5,6,7,8,9,73-Pentacontacontachlorobenzene	37.5	37.5	0.5	0.05	
1,2,3,4,5,6,7,8,9,74-Hexacontacontachlorobenzene	37.8	37.8	0.5	0.05	
1,2,3,4,5,6,7,8,9,75-Heptacontacontachlorobenzene	38.1	38.1	0.5	0.05	
1,2,3,4,5,6,7,8,9,76-Octacontacontachlorobenzene	38.4	38.4	0.5	0.05	
1,2,3,4,5,6,7,8,9,77-Nonacontacontachlorobenzene	38.7	38.7	0.5	0.05	
1,2,3,4,5,6,7,8,9,78-Eicosacontacontachlorobenzene	39.0	39.0	0.5	0.05	
1,2,3,4,5,6,7,8,9,79-Triacontacontachlorobenzene	39.3	39.3	0.5	0.05	
1,2,3,4,5,6,7,8,9,80-Tetracontacontachlorobenzene	39.6	39.6	0.5	0.05	
1,2,3,4,5,6,7,8,9,81-Pentacontacontachlorobenzene	39.9	39.9	0.5	0.05	
1,2,3,4,5,6,7,8,9,82-Hexacontacontachlorobenzene	40.2	40.2	0.5	0.05	
1,2,3,4,5,6,7,8,9,83-Heptacontacontachlorobenzene	40.5	40.5	0.5	0.05	
1,2,3,4,5,6,7,8,9,84-Octacontacontachlorobenzene	40.8	40.8	0.5	0.05	
1,2,3,4,5,6,7,8,9,85-Nonacontacontachlorobenzene	41.1	41.1	0.5	0.05	
1,2,3,4,5,6,7,8,9,86-Eicosacontacontachlorobenzene	41.4	41.4	0.5	0.05	
1,2,3,4,5,6,7,8,9,87-Triacontacontachlorobenzene	41.7	41.7	0.5	0.05	
1,2,3,4,5,6,7,8,9,88-Tetracontacontachlorobenzene	42.0	42.0	0.5	0.05	
1,2,3,4,5,6,7,8,9,89-Pentacontacontachlorobenzene	42.3	42.3	0.5	0.05	
1,2,3,4,5,6,7,8,9,90-Hexacontacontachlorobenzene	42.6	42.6	0.5	0.05	
1,2,3,4,5,6,7,8,9,91-Heptacontacontachlorobenzene	42.9	42.9	0.5	0.05	
1,2,3,4,5,6,7,8,9,92-Octacontacontachlorobenzene	43.2	43.2	0.5	0.05	
1,2,3,4,5,6,7,8,9,93-Nonacontacontachlorobenzene	43.5	43.5	0.5	0.05	
1,2,3,4,5,6,7,8,9,94-Eicosacontacontachlorobenzene	43.8	43.8	0.5	0.05	
1,2,3,4,5,6,7,8,9,95-Triacontacontachlorobenzene	44.1	44.1	0.5	0.05	
1,2,3,4,5,6,7,8,9,96-Tetracontacontachlorobenzene	44.4	44.4	0.5	0.05	
1,2,3,4,5,6,7,8,9,97-Pentacontacontachlorobenzene	44.7	44.7	0.5	0.05	
1,2,3,4,5,6,7,8,9,98-Hexacontacontachlorobenzene	45.0	45.0	0.5	0.05	
1,2,3,4,5,6,7,8,9,99-Heptacontacontachlorobenzene	45.3	45.3	0.5	0.05	
1,2,3,4,5,6,7,8,9,100-Octacontacontachlorobenzene	45.6	45.6	0.5	0.05	

Notes: All peaks identified by GC-MS. Concentrations are in mg/kg. Method: EPA 8210. Matrix: Soil. Sample ID: 12345. Report Date: 2023-10-28.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-010
Client Sample ID: Private Well

Report Date: 07/06/07
Collection Date: 06/28/07 15:45
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
n-Propylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Styrene	ND	ug/L		0.50	100	E524.2	07/02/07 19:21 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Tetrachloroethene	ND	ug/L		0.50	5	E524.2	07/02/07 19:21 / jdh
Toluene	ND	ug/L		0.50	1000	E524.2	07/02/07 19:21 / jdh
1,2,3-Trichlorobenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,2,4-Trichlorobenzene	ND	ug/L		0.50	70	E524.2	07/02/07 19:21 / jdh
1,1,1-Trichloroethane	ND	ug/L		0.50	200	E524.2	07/02/07 19:21 / jdh
1,1,2-Trichloroethane	ND	ug/L		0.50	5	E524.2	07/02/07 19:21 / jdh
Trichloroethene	ND	ug/L		0.50	5	E524.2	07/02/07 19:21 / jdh
Trichlorofluoromethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,2,3-Trichloropropane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,2,4-Trimethylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,3,5-Trimethylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Vinyl chloride	ND	ug/L		0.50	2	E524.2	07/02/07 19:21 / jdh
m+p-Xylenes	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
o-Xylene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Trihalomethanes, Total	ND	ug/L		0.50	80	E524.2	07/02/07 19:21 / jdh
Xylenes, Total	ND	ug/L		0.50	10000	E524.2	07/02/07 19:21 / jdh
Surr: p-Bromofluorobenzene	105	%REC			70-130	E524.2	07/02/07 19:21 / jdh
Surr: 1,2-Dichloroethane-d4	115	%REC			70-130	E524.2	07/02/07 19:21 / jdh
Surr: Toluene-d8	100	%REC			70-130	E524.2	07/02/07 19:21 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: **ABC Company**
 Project: **XYZ Project**
 Lab ID: **123456789**
 Client Sample ID: **123456789**

Report Date: **10/25/2023**
 Collection Date: **10/20/2023**
 Batch/Container: **10/20/2023**
 Matrix: **Aspirin**

Analysis	Sample Name	Quantity (g)	Wt. (g)	Wt. (%)	Assay (%)
VIALS CHARGE ANALYSIS	1-Aspirin	10	10.0	100	100.0
	2-Aspirin	10	10.0	100	100.0
	3-Aspirin	10	10.0	100	100.0
	4-Aspirin	10	10.0	100	100.0
	5-Aspirin	10	10.0	100	100.0
	6-Aspirin	10	10.0	100	100.0
	7-Aspirin	10	10.0	100	100.0
	8-Aspirin	10	10.0	100	100.0
	9-Aspirin	10	10.0	100	100.0
	10-Aspirin	10	10.0	100	100.0
VIALS CHARGE ANALYSIS	1-Aspirin	10	10.0	100	100.0
	2-Aspirin	10	10.0	100	100.0
	3-Aspirin	10	10.0	100	100.0
	4-Aspirin	10	10.0	100	100.0
	5-Aspirin	10	10.0	100	100.0
	6-Aspirin	10	10.0	100	100.0
	7-Aspirin	10	10.0	100	100.0
	8-Aspirin	10	10.0	100	100.0
	9-Aspirin	10	10.0	100	100.0
	10-Aspirin	10	10.0	100	100.0
VIALS CHARGE ANALYSIS	1-Aspirin	10	10.0	100	100.0
	2-Aspirin	10	10.0	100	100.0
	3-Aspirin	10	10.0	100	100.0
	4-Aspirin	10	10.0	100	100.0
	5-Aspirin	10	10.0	100	100.0
	6-Aspirin	10	10.0	100	100.0
	7-Aspirin	10	10.0	100	100.0
	8-Aspirin	10	10.0	100	100.0
	9-Aspirin	10	10.0	100	100.0
	10-Aspirin	10	10.0	100	100.0
VIALS CHARGE ANALYSIS	1-Aspirin	10	10.0	100	100.0
	2-Aspirin	10	10.0	100	100.0
	3-Aspirin	10	10.0	100	100.0
	4-Aspirin	10	10.0	100	100.0
	5-Aspirin	10	10.0	100	100.0
	6-Aspirin	10	10.0	100	100.0
	7-Aspirin	10	10.0	100	100.0
	8-Aspirin	10	10.0	100	100.0
	9-Aspirin	10	10.0	100	100.0
	10-Aspirin	10	10.0	100	100.0

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-011
Client Sample ID: MW-FB

Report Date: 07/06/07
Collection Date: 06/28/07 15:15
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		0.50	5	E524.2	07/02/07 19:51 / jdh
Bromobenzene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
Bromochloromethane	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
Bromodichloromethane	0.36	ug/L	J	0.50		E524.2	07/02/07 19:51 / jdh
Bromoform	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
Bromomethane	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
n-Butylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
sec-Butylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
tert-Butylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
Carbon tetrachloride	ND	ug/L		0.50	5	E524.2	07/02/07 19:51 / jdh
1,2-Dichloroethane	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
Chlorobenzene	ND	ug/L		0.50	100	E524.2	07/02/07 19:51 / jdh
Chlorodibromomethane	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
Chloroethane	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
Chloroform	0.62	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
Chloromethane	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
2-Chlorotoluene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
4-Chlorotoluene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0	0.2	E524.2	07/02/07 19:51 / jdh
Dibromomethane	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
1,2-Dichlorobenzene	ND	ug/L		0.50	600	E524.2	07/02/07 19:51 / jdh
1,3-Dichlorobenzene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
1,4-Dichlorobenzene	ND	ug/L		0.50	75	E524.2	07/02/07 19:51 / jdh
Dichlorodifluoromethane	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
1,1-Dichloroethane	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
1,2-Dibromoethane	ND	ug/L		0.50	0.05	E524.2	07/02/07 19:51 / jdh
1,1-Dichloroethene	ND	ug/L		0.50	7	E524.2	07/02/07 19:51 / jdh
cis-1,2-Dichloroethene	ND	ug/L		0.50	70	E524.2	07/02/07 19:51 / jdh
trans-1,2-Dichloroethene	ND	ug/L		0.50	100	E524.2	07/02/07 19:51 / jdh
1,2-Dichloropropane	ND	ug/L		0.50	5	E524.2	07/02/07 19:51 / jdh
1,3-Dichloropropane	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
2,2-Dichloropropane	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
1,1-Dichloropropene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
cis-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
trans-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
Ethylbenzene	ND	ug/L		0.50	700	E524.2	07/02/07 19:51 / jdh
Hexachlorobutadiene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
Isopropylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
p-Isopropyltoluene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
Methyl tert-butyl ether (MTBE)	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
Methylene chloride	ND	ug/L		0.50	5	E524.2	07/02/07 19:51 / jdh
Naphthalene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-011
Client Sample ID: MW-FB

Report Date: 07/06/07
Collection Date: 06/28/07 15:15
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
n-Propylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
Styrene	ND	ug/L		0.50	100	E524.2	07/02/07 19:51 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
Tetrachloroethene	ND	ug/L		0.50	5	E524.2	07/02/07 19:51 / jdh
Toluene	0.18	ug/L	J	0.50	1000	E524.2	07/02/07 19:51 / jdh
1,2,3-Trichlorobenzene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
1,2,4-Trichlorobenzene	ND	ug/L		0.50	70	E524.2	07/02/07 19:51 / jdh
1,1,1-Trichloroethane	ND	ug/L		0.50	200	E524.2	07/02/07 19:51 / jdh
1,1,2-Trichloroethane	ND	ug/L		0.50	5	E524.2	07/02/07 19:51 / jdh
Trichloroethene	ND	ug/L		0.50	5	E524.2	07/02/07 19:51 / jdh
Trichlorofluoromethane	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
1,2,3-Trichloropropane	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
1,2,4-Trimethylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
1,3,5-Trimethylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
Vinyl chloride	ND	ug/L		0.50	2	E524.2	07/02/07 19:51 / jdh
m+p-Xylenes	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
o-Xylene	ND	ug/L		0.50		E524.2	07/02/07 19:51 / jdh
Trihalomethanes, Total	0.97	ug/L		0.50	80	E524.2	07/02/07 19:51 / jdh
Xylenes, Total	ND	ug/L		0.50	10000	E524.2	07/02/07 19:51 / jdh
Surr: p-Bromofluorobenzene	103	%REC			70-130	E524.2	07/02/07 19:51 / jdh
Surr: 1,2-Dichloroethane-d4	98.0	%REC			70-130	E524.2	07/02/07 19:51 / jdh
Surr: Toluene-d8	105	%REC			70-130	E524.2	07/02/07 19:51 / jdh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Mr. Smith
Project: Environmental
Job #: 12345
Order Number: 67890

Report Date: 10/26/2023
Collection Date: 10/25/2023
Date Analyzed: 10/26/2023
Name: John Doe

Parameter	Units	Result	Method	Notes
PHYSICAL PROPERTIES				
Temperature	°C	20.5	YSI	
Dissolved Oxygen	mg/L	8.2	YSI	
pH		7.5	YSI	
Total Solids	mg/L	120	Gravimetric	
Total Suspended Solids	mg/L	85	Gravimetric	
Total Dissolved Solids	mg/L	35	Gravimetric	
Calcium	mg/L	15	Digital Titration	
Magnesium	mg/L	10	Digital Titration	
Total Hardness	mg/L	25	Digital Titration	
Chloride	mg/L	5	Mercuric Nitrate	
Sulfate	mg/L	3	Barium Chloride	
Ammonia Nitrogen	mg/L	0.5	Nesslerization	
Nitrite Nitrogen	mg/L	0.2	Diazotization	
Nitrate Nitrogen	mg/L	1.0	Cadmium Reduction	
Orthophosphate	mg/L	0.1	Ascorbic Acid Reduction	
Total Phosphate	mg/L	0.2	Ascorbic Acid Reduction	
Ammonium	mg/L	0.1	Nesslerization	
Fluoride	mg/L	0.5	Ion Chromatography	
Cyanide	mg/L	0.05	Picric Acid	
Free Chlorine	mg/L	0.5	Diazotization	
Total Chlorine	mg/L	0.5	Diazotization	
Chlorine Demand	mg/L	0.0	Diazotization	
Free Chlorine Residual	mg/L	0.5	Diazotization	
Total Chlorine Residual	mg/L	0.5	Diazotization	
Chlorine Demand	mg/L	0.0	Diazotization	

Method: YSI
Notes: All results are within acceptable limits.

Method: YSI
Notes: All results are within acceptable limits.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-012
Client Sample ID: Trip Blank TB053007(jm)(b)-12

Report Date: 07/06/07
Collection Date: 06/28/07 15:15
Date Received: 06/29/07
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/29/07 17:17 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	06/29/07 17:17 / jdh
Benzene	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Ethylbenzene	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
2-Hexanone	ND	ug/L		10		SW8260B	06/29/07 17:17 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/29/07 17:17 / jdh
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	06/29/07 17:17 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Styrene	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Toluene	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Report Date: 05/05/2015
Collection Date: 05/05/2015
Sample Name: 05/05/2015
Matrix: 05/05/2015

Client: 05/05/2015
Project: 05/05/2015
Lab ID: 05/05/2015
Client Sample ID: 05/05/2015

Sample	Time (min)	Concentration (%)	Wavelength (nm)	Peak (nm)
05/05/2015	10	10	10	10
05/05/2015	15	15	15	15
05/05/2015	20	20	20	20
05/05/2015	25	25	25	25
05/05/2015	30	30	30	30
05/05/2015	35	35	35	35
05/05/2015	40	40	40	40
05/05/2015	45	45	45	45
05/05/2015	50	50	50	50
05/05/2015	55	55	55	55
05/05/2015	60	60	60	60
05/05/2015	65	65	65	65
05/05/2015	70	70	70	70
05/05/2015	75	75	75	75
05/05/2015	80	80	80	80
05/05/2015	85	85	85	85
05/05/2015	90	90	90	90
05/05/2015	95	95	95	95
05/05/2015	100	100	100	100
05/05/2015	105	105	105	105
05/05/2015	110	110	110	110
05/05/2015	115	115	115	115
05/05/2015	120	120	120	120
05/05/2015	125	125	125	125
05/05/2015	130	130	130	130
05/05/2015	135	135	135	135
05/05/2015	140	140	140	140
05/05/2015	145	145	145	145
05/05/2015	150	150	150	150
05/05/2015	155	155	155	155
05/05/2015	160	160	160	160
05/05/2015	165	165	165	165
05/05/2015	170	170	170	170
05/05/2015	175	175	175	175
05/05/2015	180	180	180	180
05/05/2015	185	185	185	185
05/05/2015	190	190	190	190
05/05/2015	195	195	195	195
05/05/2015	200	200	200	200
05/05/2015	205	205	205	205
05/05/2015	210	210	210	210
05/05/2015	215	215	215	215
05/05/2015	220	220	220	220
05/05/2015	225	225	225	225
05/05/2015	230	230	230	230
05/05/2015	235	235	235	235
05/05/2015	240	240	240	240
05/05/2015	245	245	245	245
05/05/2015	250	250	250	250
05/05/2015	255	255	255	255
05/05/2015	260	260	260	260
05/05/2015	265	265	265	265
05/05/2015	270	270	270	270
05/05/2015	275	275	275	275
05/05/2015	280	280	280	280
05/05/2015	285	285	285	285
05/05/2015	290	290	290	290
05/05/2015	295	295	295	295
05/05/2015	300	300	300	300
05/05/2015	305	305	305	305
05/05/2015	310	310	310	310
05/05/2015	315	315	315	315
05/05/2015	320	320	320	320
05/05/2015	325	325	325	325
05/05/2015	330	330	330	330
05/05/2015	335	335	335	335
05/05/2015	340	340	340	340
05/05/2015	345	345	345	345
05/05/2015	350	350	350	350
05/05/2015	355	355	355	355
05/05/2015	360	360	360	360
05/05/2015	365	365	365	365
05/05/2015	370	370	370	370
05/05/2015	375	375	375	375
05/05/2015	380	380	380	380
05/05/2015	385	385	385	385
05/05/2015	390	390	390	390
05/05/2015	395	395	395	395
05/05/2015	400	400	400	400
05/05/2015	405	405	405	405
05/05/2015	410	410	410	410
05/05/2015	415	415	415	415
05/05/2015	420	420	420	420
05/05/2015	425	425	425	425
05/05/2015	430	430	430	430
05/05/2015	435	435	435	435
05/05/2015	440	440	440	440
05/05/2015	445	445	445	445
05/05/2015	450	450	450	450
05/05/2015	455	455	455	455
05/05/2015	460	460	460	460
05/05/2015	465	465	465	465
05/05/2015	470	470	470	470
05/05/2015	475	475	475	475
05/05/2015	480	480	480	480
05/05/2015	485	485	485	485
05/05/2015	490	490	490	490
05/05/2015	495	495	495	495
05/05/2015	500	500	500	500

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-012
Client Sample ID: Trip Blank TB053007(jm)(b)-12

Report Date: 07/06/07
Collection Date: 06/28/07 15:15
Date Received: 06/29/07
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Vinyl chloride	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/29/07 17:17 / jdh
Surr: 1,2-Dichloroethane-d4	99.0	%REC			70-130	SW8260B	06/29/07 17:17 / jdh
Surr: Dibromofluoromethane	98.0	%REC			70-130	SW8260B	06/29/07 17:17 / jdh
Surr: p-Bromofluorobenzene	109	%REC			70-130	SW8260B	06/29/07 17:17 / jdh
Surr: Toluene-d8	98.0	%REC			70-130	SW8260B	06/29/07 17:17 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Report Date: 07/20/2017
 Location Date: 07/20/2017
 Instrument: 8453
 Name: Joe Smith

Lab: 101
 Analyst: Joe Smith
 Method: 8453
 Sample ID: 101-001 (Sample 1)

Sample	Peak Area	Concentration (%)	Wt. %	Analysis Date
POLYMER ANALYSIS				
Sample 1	10.0	1.0	1.0	07/20/2017
Sample 2	10.0	1.0	1.0	07/20/2017
Sample 3	10.0	1.0	1.0	07/20/2017
Sample 4	10.0	1.0	1.0	07/20/2017
Sample 5	10.0	1.0	1.0	07/20/2017
Sample 6	10.0	1.0	1.0	07/20/2017
Sample 7	10.0	1.0	1.0	07/20/2017
Sample 8	10.0	1.0	1.0	07/20/2017
Sample 9	10.0	1.0	1.0	07/20/2017
Sample 10	10.0	1.0	1.0	07/20/2017
Sample 11	10.0	1.0	1.0	07/20/2017
Sample 12	10.0	1.0	1.0	07/20/2017
Sample 13	10.0	1.0	1.0	07/20/2017
Sample 14	10.0	1.0	1.0	07/20/2017
Sample 15	10.0	1.0	1.0	07/20/2017
Sample 16	10.0	1.0	1.0	07/20/2017
Sample 17	10.0	1.0	1.0	07/20/2017
Sample 18	10.0	1.0	1.0	07/20/2017
Sample 19	10.0	1.0	1.0	07/20/2017
Sample 20	10.0	1.0	1.0	07/20/2017

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 07/06/07

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2					Analytical Run: 1SATURN_070702B				
Sample ID: CCV070207A	Continuing Calibration Verification Standard								07/02/07 15:49
Benzene	4.16	ug/L	0.50	83	70	130			
Bromobenzene	4.64	ug/L	0.50	93	70	130			
Bromochloromethane	4.48	ug/L	0.50	90	70	130			
Bromodichloromethane	4.68	ug/L	0.50	94	70	130			
Bromoform	4.68	ug/L	0.50	94	70	130			
Bromomethane	5.40	ug/L	0.50	108	70	130			
n-Butylbenzene	4.80	ug/L	0.50	96	70	130			
sec-Butylbenzene	4.80	ug/L	0.50	96	70	130			
tert-Butylbenzene	4.64	ug/L	0.50	93	70	130			
Carbon tetrachloride	4.88	ug/L	0.50	98	70	130			
1,2-Dichloroethane	4.48	ug/L	0.50	90	70	130			
Chlorobenzene	4.60	ug/L	0.50	92	70	130			
Chlorodibromomethane	4.96	ug/L	0.50	99	70	130			
Chloroethane	4.72	ug/L	0.50	94	70	130			
Chloroform	4.36	ug/L	0.50	87	70	130			
Chloromethane	4.92	ug/L	0.50	98	70	130			
2-Chlorotoluene	4.56	ug/L	0.50	91	70	130			
4-Chlorotoluene	4.64	ug/L	0.50	93	70	130			
1,2-Dibromo-3-chloropropane	4.28	ug/L	1.0	86	70	130			
Dibromomethane	4.48	ug/L	0.50	90	70	130			
1,2-Dichlorobenzene	4.60	ug/L	0.50	92	70	130			
1,3-Dichlorobenzene	4.64	ug/L	0.50	93	70	130			
1,4-Dichlorobenzene	4.84	ug/L	0.50	97	70	130			
Dichlorodifluoromethane	4.60	ug/L	0.50	92	70	130			
1,1-Dichloroethane	4.44	ug/L	0.50	89	70	130			
1,2-Dibromoethane	6.20	ug/L	0.50	124	70	130			
1,1-Dichloroethene	4.44	ug/L	0.50	89	70	130			
cis-1,2-Dichloroethene	4.36	ug/L	0.50	87	70	130			
trans-1,2-Dichloroethene	4.52	ug/L	0.50	90	70	130			
1,2-Dichloropropane	4.72	ug/L	0.50	94	70	130			
1,3-Dichloropropane	4.68	ug/L	0.50	94	70	130			
2,2-Dichloropropane	4.76	ug/L	0.50	95	70	130			
1,1-Dichloropropene	4.56	ug/L	0.50	91	70	130			
cis-1,3-Dichloropropene	4.36	ug/L	0.50	87	70	130			
trans-1,3-Dichloropropene	4.64	ug/L	0.50	93	70	130			
Ethylbenzene	4.72	ug/L	0.50	94	70	130			
Hexachlorobutadiene	5.12	ug/L	0.50	102	70	130			
Isopropylbenzene	4.96	ug/L	0.50	99	70	130			
p-Isopropyltoluene	4.76	ug/L	0.50	95	70	130			
Methyl tert-butyl ether (MTBE)	4.76	ug/L	0.50	95	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 07/06/07

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2					Analytical Run: 1SATURN_070702B				
Sample ID: CCV070207A	Continuing Calibration Verification Standard							07/02/07 15:49	
Methylene chloride	4.16	ug/L	0.50	83	70	130			
Naphthalene	4.44	ug/L	0.50	89	70	130			
n-Propylbenzene	4.60	ug/L	0.50	92	70	130			
Styrene	4.72	ug/L	0.50	94	70	130			
1,1,1,2-Tetrachloroethane	4.56	ug/L	0.50	91	70	130			
1,1,2,2-Tetrachloroethane	4.52	ug/L	0.50	90	70	130			
Tetrachloroethene	5.04	ug/L	0.50	101	70	130			
Toluene	4.72	ug/L	0.50	94	70	130			
1,2,3-Trichlorobenzene	4.84	ug/L	0.50	97	70	130			
1,2,4-Trichlorobenzene	4.56	ug/L	0.50	91	70	130			
1,1,1-Trichloroethane	4.44	ug/L	0.50	89	70	130			
1,1,2-Trichloroethane	4.72	ug/L	0.50	94	70	130			
Trichloroethene	4.96	ug/L	0.50	99	70	130			
Trichlorofluoromethane	5.64	ug/L	0.50	113	70	130			
1,2,3-Trichloropropane	5.72	ug/L	0.50	114	70	130			
1,2,4-Trimethylbenzene	4.44	ug/L	0.50	89	70	130			
1,3,5-Trimethylbenzene	4.56	ug/L	0.50	91	70	130			
Vinyl chloride	5.12	ug/L	0.50	102	70	130			
m+p-Xylenes	9.24	ug/L	0.50	92	70	130			
o-Xylene	4.52	ug/L	0.50	90	70	130			
Trihalomethanes, Total	18.7	ug/L	0.50	93	70	130			
Xylenes, Total	13.8	ug/L	0.50	92	70	130			
Surr: p-Bromofluorobenzene			0.50	103	70	130			
Surr: 1,2-Dichloroethane-d4			0.50	109	70	130			
Surr: Toluene-d8			0.50	101	70	130			

Method: E524.2

Batch: R38353

Sample ID: LCS070207A	Laboratory Control Sample				Run: 1SATURN_070702B		07/02/07 16:26		
Benzene	4.20	ug/L	0.50	84	70	130			
Bromobenzene	4.76	ug/L	0.50	95	70	130			
Bromochloromethane	4.44	ug/L	0.50	89	70	130			
Bromodichloromethane	4.52	ug/L	0.50	90	70	130			
Bromoform	4.80	ug/L	0.50	96	70	130			
Bromomethane	4.64	ug/L	0.50	93	70	130			
n-Butylbenzene	4.36	ug/L	0.50	87	70	130			
sec-Butylbenzene	4.36	ug/L	0.50	87	70	130			
tert-Butylbenzene	4.36	ug/L	0.50	87	70	130			
Carbon tetrachloride	4.48	ug/L	0.50	90	70	130			
1,2-Dichloroethane	4.64	ug/L	0.50	93	70	130			
Chlorobenzene	4.60	ug/L	0.50	92	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 07/06/07

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2									Batch: R38353
Sample ID: LCS070207A	Laboratory Control Sample				Run: 1SATURN_070702B				07/02/07 16:26
Chlorodibromomethane	4.84	ug/L	0.50	97	70	130			
Chloroethane	3.72	ug/L	0.50	74	70	130			
Chloroform	4.04	ug/L	0.50	81	70	130			
Chloromethane	4.56	ug/L	0.50	91	70	130			
2-Chlorotoluene	4.68	ug/L	0.50	94	70	130			
4-Chlorotoluene	4.56	ug/L	0.50	91	70	130			
1,2-Dibromo-3-chloropropane	4.04	ug/L	1.0	81	70	130			
Dibromomethane	4.88	ug/L	0.50	98	70	130			
1,2-Dichlorobenzene	4.52	ug/L	0.50	90	70	130			
1,3-Dichlorobenzene	4.32	ug/L	0.50	86	70	130			
1,4-Dichlorobenzene	4.64	ug/L	0.50	93	70	130			
Dichlorodifluoromethane	4.12	ug/L	0.50	82	70	130			
1,1-Dichloroethane	4.44	ug/L	0.50	89	70	130			
1,2-Dibromoethane	6.40	ug/L	0.50	128	70	130			
1,1-Dichloroethene	4.20	ug/L	0.50	84	70	130			
cis-1,2-Dichloroethene	4.20	ug/L	0.50	84	70	130			
trans-1,2-Dichloroethene	4.44	ug/L	0.50	89	70	130			
1,2-Dichloropropane	4.88	ug/L	0.50	98	70	130			
1,3-Dichloropropane	4.60	ug/L	0.50	92	70	130			
2,2-Dichloropropane	4.32	ug/L	0.50	86	70	130			
1,1-Dichloropropene	4.36	ug/L	0.50	87	70	130			
cis-1,3-Dichloropropene	4.56	ug/L	0.50	91	70	130			
trans-1,3-Dichloropropene	4.76	ug/L	0.50	95	70	130			
Ethylbenzene	4.56	ug/L	0.50	91	70	130			
Hexachlorobutadiene	5.24	ug/L	0.50	105	70	130			
Isopropylbenzene	4.76	ug/L	0.50	95	70	130			
p-Isopropyltoluene	4.52	ug/L	0.50	90	70	130			
Methyl tert-butyl ether (MTBE)	4.04	ug/L	0.50	81	70	130			
Methylene chloride	3.91	ug/L	0.50	78	70	130			
Naphthalene	4.28	ug/L	0.50	86	70	130			
n-Propylbenzene	4.40	ug/L	0.50	88	70	130			
Styrene	4.40	ug/L	0.50	88	70	130			
1,1,1,2-Tetrachloroethane	4.92	ug/L	0.50	98	70	130			
1,1,2,2-Tetrachloroethane	4.08	ug/L	0.50	82	70	130			
Tetrachloroethene	4.84	ug/L	0.50	97	70	130			
Toluene	4.80	ug/L	0.50	96	70	130			
1,2,3-Trichlorobenzene	4.76	ug/L	0.50	95	70	130			
1,2,4-Trichlorobenzene	4.56	ug/L	0.50	91	70	130			
1,1,1-Trichloroethane	4.48	ug/L	0.50	90	70	130			
1,1,2-Trichloroethane	4.76	ug/L	0.50	95	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 07/06/07

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2							Batch: R38353		
Sample ID: LCS070207A	Laboratory Control Sample			Run: 1SATURN_070702B			07/02/07 16:26		
Trichloroethene	4.88	ug/L	0.50	98	70	130			
Trichlorofluoromethane	4.64	ug/L	0.50	93	70	130			
1,2,3-Trichloropropane	6.08	ug/L	0.50	122	70	130			
1,2,4-Trimethylbenzene	4.24	ug/L	0.50	85	70	130			
1,3,5-Trimethylbenzene	4.36	ug/L	0.50	87	70	130			
Vinyl chloride	4.52	ug/L	0.50	90	70	130			
m+p-Xylenes	8.96	ug/L	0.50	90	70	130			
o-Xylene	4.56	ug/L	0.50	91	70	130			
Trihalomethanes, Total	18.2	ug/L	0.50	91	70	130			
Xylenes, Total	13.5	ug/L	0.50	90	70	130			
Surr: p-Bromofluorobenzene			0.50	100	70	130			
Surr: 1,2-Dichloroethane-d4			0.50	105	70	130			
Surr: Toluene-d8			0.50	104	70	130			
Sample ID: MBLK070207A	Method Blank			Run: 1SATURN_070702B			07/02/07 18:22		
Benzene	ND	ug/L	0.50						
Bromobenzene	ND	ug/L	0.50						
Bromochloromethane	ND	ug/L	0.50						
Bromodichloromethane	ND	ug/L	0.50						
Bromoform	ND	ug/L	0.50						
Bromomethane	ND	ug/L	0.50						
n-Butylbenzene	ND	ug/L	0.50						
sec-Butylbenzene	ND	ug/L	0.50						
tert-Butylbenzene	ND	ug/L	0.50						
Carbon tetrachloride	ND	ug/L	0.50						
1,2-Dichloroethane	ND	ug/L	0.50						
Chlorobenzene	ND	ug/L	0.50						
Chlorodibromomethane	ND	ug/L	0.50						
Chloroethane	ND	ug/L	0.50						
Chloroform	ND	ug/L	0.50						
Chloromethane	ND	ug/L	0.50						
2-Chlorotoluene	ND	ug/L	0.50						
4-Chlorotoluene	ND	ug/L	0.50						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	0.50						
1,2-Dichlorobenzene	ND	ug/L	0.50						
1,3-Dichlorobenzene	ND	ug/L	0.50						
1,4-Dichlorobenzene	ND	ug/L	0.50						
Dichlorodifluoromethane	ND	ug/L	0.50						
1,1-Dichloroethane	ND	ug/L	0.50						
1,2-Dibromoethane	ND	ug/L	0.50						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/06/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R38291		
Sample ID: H07060295-001EMS	Sample Matrix Spike			Run: 1SATURN_070629B			06/29/07 18:16		
Methyl isobutyl ketone	100	ug/L	40	100	70	130			
Methylene chloride	8.48	ug/L	2.0	85	70	130			
Styrene	9.20	ug/L	2.0	92	70	130			
1,1,1,2-Tetrachloroethane	9.44	ug/L	2.0	94	70	130			
1,1,2,2-Tetrachloroethane	8.56	ug/L	2.0	86	70	130			
Tetrachloroethene	9.36	ug/L	2.0	94	70	130			
Toluene	9.52	ug/L	2.0	95	70	130			
1,1,1-Trichloroethane	9.84	ug/L	2.0	98	70	130			
1,1,2-Trichloroethane	10.2	ug/L	2.0	102	70	130			
Trichloroethene	9.68	ug/L	2.0	97	70	130			
Trichlorofluoromethane	9.44	ug/L	2.0	94	70	130			
1,2,3-Trichloropropane	11.5	ug/L	2.0	115	70	130			
Vinyl acetate	8.40	ug/L	2.0	84	70	130			
Vinyl chloride	9.12	ug/L	2.0	91	70	130			
m+p-Xylenes	17.7	ug/L	2.0	88	70	130			
o-Xylene	9.12	ug/L	2.0	91	70	130			
Xylenes, Total	26.8	ug/L	2.0	89	70	130			
Surr: 1,2-Dichloroethane-d4			2.0	115	70	130			
Surr: Dibromofluoromethane			2.0	98	70	130			
Surr: p-Bromofluorobenzene			2.0	101	70	130			
Surr: Toluene-d8			2.0	102	70	130			
Sample ID: H07060295-001EMSD	Sample Matrix Spike Duplicate			Run: 1SATURN_070629B			06/29/07 18:46		
Acetone	121	ug/L	40	121	70	130	28	20	R
Acrylonitrile	112	ug/L	40	112	70	130	8.2	20	
Benzene	9.68	ug/L	2.0	97	70	130	6.8	20	
Bromochloromethane	11.5	ug/L	2.0	115	70	130	12	20	
Bromodichloromethane	9.76	ug/L	2.0	98	70	130	5.0	20	
Bromoform	10.8	ug/L	2.0	108	70	130	19	20	
Bromomethane	12.2	ug/L	2.0	122	70	130	12	20	
Carbon disulfide	10.6	ug/L	2.0	106	70	130	8.6	20	
Carbon tetrachloride	10.6	ug/L	2.0	106	70	130	8.6	20	
Chlorobenzene	10.0	ug/L	2.0	100	70	130	8.3	20	
Chlorodibromomethane	10.9	ug/L	2.0	109	70	130	0.0	20	
Chloroethane	10.4	ug/L	2.0	104	70	130	16	20	
Chloroform	10.2	ug/L	2.0	102	70	130	9.0	20	
Chloromethane	10.7	ug/L	2.0	107	70	130	16	20	
1,2-Dibromo-3-chloropropane	10.7	ug/L	2.0	107	70	130	16	20	
1,2-Dibromoethane	13.7	ug/L	2.0	137	70	130	5.4	20	S
Dibromomethane	9.76	ug/L	2.0	98	70	130	2.5	20	
1,2-Dichlorobenzene	10.2	ug/L	2.0	102	70	130	13	20	

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 07/06/07

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R38291
Sample ID: H07060295-001EMSD	Sample Matrix Spike Duplicate			Run: 1SATURN_070629B				06/29/07 18:46	
1,4-Dichlorobenzene	10.6	ug/L	2.0	106	70	130	15	20	
trans-1,4-Dichloro-2-butene	11.7	ug/L	2.0	117	70	130	17	20	
Dichlorodifluoromethane	8.80	ug/L	2.0	88	70	130	5.6	20	
1,1-Dichloroethane	10.4	ug/L	2.0	104	70	130	8.0	20	
1,2-Dichloroethane	10.7	ug/L	2.0	107	70	130	10	20	
1,1-Dichloroethene	9.28	ug/L	2.0	93	70	130	8.1	20	
cis-1,2-Dichloroethene	10.1	ug/L	2.0	101	70	130	4.9	20	
trans-1,2-Dichloroethene	10.1	ug/L	2.0	101	70	130	7.4	20	
1,2-Dichloropropane	11.0	ug/L	2.0	110	70	130	5.2	20	
cis-1,3-Dichloropropene	9.44	ug/L	2.0	94	70	130	5.2	20	
trans-1,3-Dichloropropene	10.9	ug/L	2.0	109	70	130	7.6	20	
Ethylbenzene	9.60	ug/L	2.0	96	70	130	7.8	20	
2-Hexanone	118	ug/L	40	118	70	130	13	20	
Iodomethane	8.96	ug/L	2.0	90	70	130	11	20	
Methyl ethyl ketone	116	ug/L	40	116	70	130	21	20	R
Methyl isobutyl ketone	118	ug/L	40	118	70	130	16	20	
Methylene chloride	9.92	ug/L	2.0	99	70	130	16	20	
Styrene	9.76	ug/L	2.0	98	70	130	5.9	20	
1,1,1,2-Tetrachloroethane	10.7	ug/L	2.0	107	70	130	13	20	
1,1,2,2-Tetrachloroethane	9.44	ug/L	2.0	94	70	130	9.8	20	
Tetrachloroethene	9.84	ug/L	2.0	98	70	130	5.0	20	
Toluene	9.60	ug/L	2.0	96	70	130	0.8	20	
1,1,1-Trichloroethane	10.3	ug/L	2.0	103	70	130	4.8	20	
1,1,2-Trichloroethane	10.8	ug/L	2.0	108	70	130	5.3	20	
Trichloroethene	10.3	ug/L	2.0	103	70	130	6.4	20	
Trichlorofluoromethane	10.6	ug/L	2.0	106	70	130	11	20	
1,2,3-Trichloropropane	12.6	ug/L	2.0	126	70	130	9.3	20	
Vinyl acetate	10.2	ug/L	2.0	102	70	130	20	20	
Vinyl chloride	9.68	ug/L	2.0	97	70	130	6.0	20	
m+p-Xylenes	19.5	ug/L	2.0	98	70	130	9.9	20	
o-Xylene	9.76	ug/L	2.0	98	70	130	6.8	20	
Xylenes, Total	29.3	ug/L	2.0	98	70	130	8.8	20	
Surr: 1,2-Dichloroethane-d4			2.0	108	70	130	0.0	20	
Surr: Dibromofluoromethane			2.0	101	70	130	0.0	20	
Surr: p-Bromofluorobenzene			2.0	104	70	130	0.0	20	
Surr: Toluene-d8			2.0	101	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 07/06/07

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Analytical Run: 1SATURN_070702A		
Sample ID: CCV070207A							Continuing Calibration Verification Standard		
							07/02/07 15:49		
Acetone	45.2	ug/L	20	90	70	130			
Acrylonitrile	44.8	ug/L	20	90	70	130			
Benzene	4.16	ug/L	1.0	83	70	130			
Bromochloromethane	4.48	ug/L	1.0	90	70	130			
Bromodichloromethane	4.68	ug/L	1.0	94	70	130			
Bromoform	4.68	ug/L	1.0	94	70	130			
Bromomethane	5.40	ug/L	1.0	108	70	130			
Carbon disulfide	4.12	ug/L	1.0	82	70	130			
Carbon tetrachloride	4.88	ug/L	1.0	98	70	130			
Chlorobenzene	4.60	ug/L	1.0	92	70	130			
Chlorodibromomethane	4.96	ug/L	1.0	99	70	130			
Chloroethane	4.72	ug/L	1.0	94	70	130			
Chloroform	4.36	ug/L	1.0	87	80	120			
Chloromethane	4.92	ug/L	1.0	98	70	130			
1,2-Dibromo-3-chloropropane	4.28	ug/L	1.0	86	70	130			
1,2-Dibromoethane	6.20	ug/L	1.0	124	70	130			
Dibromomethane	4.48	ug/L	1.0	90	70	130			
1,2-Dichlorobenzene	4.60	ug/L	1.0	92	70	130			
1,4-Dichlorobenzene	4.84	ug/L	1.0	97	70	130			
trans-1,4-Dichloro-2-butene	5.12	ug/L	1.0	102	70	130			
Dichlorodifluoromethane	4.60	ug/L	1.0	92	70	130			
1,1-Dichloroethane	4.44	ug/L	1.0	89	70	130			
1,2-Dichloroethane	4.48	ug/L	1.0	90	70	130			
1,1-Dichloroethene	4.44	ug/L	1.0	89	80	120			
cis-1,2-Dichloroethene	4.36	ug/L	1.0	87	70	130			
trans-1,2-Dichloroethene	4.52	ug/L	1.0	90	70	130			
1,2-Dichloropropane	4.72	ug/L	1.0	94	80	120			
cis-1,3-Dichloropropene	4.36	ug/L	1.0	87	70	130			
trans-1,3-Dichloropropene	4.64	ug/L	1.0	93	70	130			
Ethylbenzene	4.72	ug/L	1.0	94	80	120			
2-Hexanone	50.8	ug/L	20	102	70	130			
Iodomethane	3.88	ug/L	1.0	78	70	130			
Methyl ethyl ketone	46.8	ug/L	20	94	70	130			
Methyl isobutyl ketone	49.2	ug/L	20	98	70	130			
Methylene chloride	4.16	ug/L	1.0	83	70	130			
Styrene	4.72	ug/L	1.0	94	70	130			
1,1,1,2-Tetrachloroethane	4.56	ug/L	1.0	91	70	130			
1,1,2,2-Tetrachloroethane	4.52	ug/L	1.0	90	70	130			
Tetrachloroethene	5.04	ug/L	1.0	101	70	130			
Toluene	4.72	ug/L	1.0	94	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/06/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Analytical Run: 1SATURN_070702A		
Sample ID: CCV070207A	Continuing Calibration Verification Standard							07/02/07 15:49	
1,1,1-Trichloroethane	4.44	ug/L	1.0	89	70	130			
1,1,2-Trichloroethane	4.72	ug/L	1.0	94	70	130			
Trichloroethene	4.96	ug/L	1.0	99	70	130			
Trichlorofluoromethane	5.64	ug/L	1.0	113	70	130			
1,2,3-Trichloropropane	5.72	ug/L	1.0	114	70	130			
Vinyl acetate	4.16	ug/L	1.0	83	70	130			
Vinyl chloride	5.12	ug/L	1.0	102	80	120			
m+p-Xylenes	9.24	ug/L	1.0	92	70	130			
o-Xylene	4.52	ug/L	1.0	90	70	130			
Xylenes, Total	13.8	ug/L	1.0	92	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	109	70	130			
Surr: Dibromofluoromethane			1.0	93	70	130			
Surr: p-Bromofluorobenzene			1.0	103	70	130			
Surr: Toluene-d8			1.0	101	70	130			
Sample ID: CCV070307A	Continuing Calibration Verification Standard							07/03/07 08:16	
Acetone	39.6	ug/L	20	79	70	130			
Acrylonitrile	42.4	ug/L	20	85	70	130			
Benzene	4.36	ug/L	1.0	87	70	130			
Bromochloromethane	4.68	ug/L	1.0	94	70	130			
Bromodichloromethane	4.40	ug/L	1.0	88	70	130			
Bromoform	4.92	ug/L	1.0	98	70	130			
Bromomethane	4.48	ug/L	1.0	90	70	130			
Carbon disulfide	4.44	ug/L	1.0	89	70	130			
Carbon tetrachloride	4.84	ug/L	1.0	97	70	130			
Chlorobenzene	4.48	ug/L	1.0	90	70	130			
Chlorodibromomethane	4.92	ug/L	1.0	98	70	130			
Chloroethane	4.56	ug/L	1.0	91	70	130			
Chloroform	4.36	ug/L	1.0	87	80	120			
Chloromethane	5.04	ug/L	1.0	101	70	130			
1,2-Dibromo-3-chloropropane	3.87	ug/L	1.0	77	70	130			
1,2-Dibromoethane	6.08	ug/L	1.0	122	70	130			
Dibromomethane	4.48	ug/L	1.0	90	70	130			
1,2-Dichlorobenzene	4.12	ug/L	1.0	82	70	130			
1,4-Dichlorobenzene	4.60	ug/L	1.0	92	70	130			
trans-1,4-Dichloro-2-butene	5.60	ug/L	1.0	112	70	130			
Dichlorodifluoromethane	4.40	ug/L	1.0	88	70	130			
1,1-Dichloroethane	4.44	ug/L	1.0	89	70	130			
1,2-Dichloroethane	4.56	ug/L	1.0	91	70	130			
1,1-Dichloroethene	4.40	ug/L	1.0	88	80	120			
cis-1,2-Dichloroethene	4.40	ug/L	1.0	88	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 07/06/07

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Analytical Run: 1SATURN_070702A		
Sample ID: CCV070307A	Continuing Calibration Verification Standard							07/03/07 08:16	
trans-1,2-Dichloroethene	4.40	ug/L	1.0	88	70	130			
1,2-Dichloropropane	4.84	ug/L	1.0	97	80	120			
cis-1,3-Dichloropropene	4.28	ug/L	1.0	86	70	130			
trans-1,3-Dichloropropene	4.24	ug/L	1.0	85	70	130			
Ethylbenzene	4.24	ug/L	1.0	85	80	120			
2-Hexanone	46.4	ug/L	20	93	70	130			
Iodomethane	4.08	ug/L	1.0	82	70	130			
Methyl ethyl ketone	45.2	ug/L	20	90	70	130			
Methyl isobutyl ketone	47.2	ug/L	20	94	70	130			
Methylene chloride	4.20	ug/L	1.0	84	70	130			
Styrene	4.44	ug/L	1.0	89	70	130			
1,1,1,2-Tetrachloroethane	4.44	ug/L	1.0	89	70	130			
1,1,2,2-Tetrachloroethane	3.83	ug/L	1.0	77	70	130			
Tetrachloroethene	4.64	ug/L	1.0	93	70	130			
Toluene	4.20	ug/L	1.0	84	80	120			
1,1,1-Trichloroethane	4.56	ug/L	1.0	91	70	130			
1,1,2-Trichloroethane	4.40	ug/L	1.0	88	70	130			
Trichloroethene	4.84	ug/L	1.0	97	70	130			
Trichlorofluoromethane	4.96	ug/L	1.0	99	70	130			
1,2,3-Trichloropropane	6.04	ug/L	1.0	121	70	130			
Vinyl acetate	4.08	ug/L	1.0	82	70	130			
Vinyl chloride	4.88	ug/L	1.0	98	80	120			
m+p-Xylenes	8.40	ug/L	1.0	84	70	130			
o-Xylene	4.24	ug/L	1.0	85	70	130			
Xylenes, Total	12.6	ug/L	1.0	84	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	115	70	130			
Surr: Dibromofluoromethane			1.0	97	70	130			
Surr: p-Bromofluorobenzene			1.0	104	70	130			
Surr: Toluene-d8			1.0	104	70	130			
Method: SW8260B							Batch: R38352		
Sample ID: LCS070207A	Laboratory Control Sample					Run: 1SATURN_070702A	07/02/07 16:26		
Acetone	48.0	ug/L	20	96	70	130			
Acrylonitrile	40.4	ug/L	20	81	70	130			
Benzene	4.20	ug/L	1.0	84	70	130			
Bromochloromethane	4.44	ug/L	1.0	89	70	130			
Bromodichloromethane	4.52	ug/L	1.0	90	70	130			
Bromoform	4.80	ug/L	1.0	96	70	130			
Bromomethane	4.64	ug/L	1.0	93	70	130			
Carbon disulfide	4.72	ug/L	1.0	94	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/06/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R38352		
Sample ID: LCS070207A	Laboratory Control Sample				Run: 1SATURN_070702A		07/02/07 16:26		
Carbon tetrachloride	4.48	ug/L	1.0	90	70	130			
Chlorobenzene	4.60	ug/L	1.0	92	70	130			
Chlorodibromomethane	4.84	ug/L	1.0	97	70	130			
Chloroethane	3.72	ug/L	1.0	74	70	130			
Chloroform	4.04	ug/L	1.0	81	70	130			
Chloromethane	4.56	ug/L	1.0	91	70	130			
1,2-Dibromo-3-chloropropane	4.04	ug/L	1.0	81	70	130			
1,2-Dibromoethane	6.40	ug/L	1.0	128	70	130			
Dibromomethane	4.88	ug/L	1.0	98	70	130			
1,2-Dichlorobenzene	4.52	ug/L	1.0	90	70	130			
1,4-Dichlorobenzene	4.64	ug/L	1.0	93	70	130			
trans-1,4-Dichloro-2-butene	4.72	ug/L	1.0	94	70	130			
Dichlorodifluoromethane	4.12	ug/L	1.0	82	70	130			
1,1-Dichloroethane	4.44	ug/L	1.0	89	70	130			
1,2-Dichloroethane	4.64	ug/L	1.0	93	70	130			
1,1-Dichloroethene	4.20	ug/L	1.0	84	70	130			
cis-1,2-Dichloroethene	4.20	ug/L	1.0	84	70	130			
trans-1,2-Dichloroethene	4.44	ug/L	1.0	89	70	130			
1,2-Dichloropropane	4.88	ug/L	1.0	98	70	130			
cis-1,3-Dichloropropene	4.56	ug/L	1.0	91	70	130			
trans-1,3-Dichloropropene	4.76	ug/L	1.0	95	70	130			
Ethylbenzene	4.56	ug/L	1.0	91	70	130			
2-Hexanone	52.4	ug/L	20	105	70	130			
Iodomethane	3.79	ug/L	1.0	76	70	130			
Methyl ethyl ketone	46.0	ug/L	20	92	70	130			
Methyl isobutyl ketone	51.6	ug/L	20	103	70	130			
Methylene chloride	3.91	ug/L	1.0	78	70	130			
Styrene	4.40	ug/L	1.0	88	70	130			
1,1,1,2-Tetrachloroethane	4.92	ug/L	1.0	98	70	130			
1,1,2,2-Tetrachloroethane	4.08	ug/L	1.0	82	70	130			
Tetrachloroethene	4.84	ug/L	1.0	97	70	130			
Toluene	4.80	ug/L	1.0	96	70	130			
1,1,1-Trichloroethane	4.48	ug/L	1.0	90	70	130			
1,1,2-Trichloroethane	4.76	ug/L	1.0	95	70	130			
Trichloroethene	4.88	ug/L	1.0	98	70	130			
Trichlorofluoromethane	4.64	ug/L	1.0	93	70	130			
1,2,3-Trichloropropane	6.08	ug/L	1.0	122	70	130			
Vinyl acetate	4.20	ug/L	1.0	84	70	130			
Vinyl chloride	4.52	ug/L	1.0	90	70	130			
m+p-Xylenes	8.96	ug/L	1.0	90	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 07/06/07

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R38352
Sample ID: LCS070207A	Laboratory Control Sample				Run: 1SATURN_070702A				07/02/07 16:26
o-Xylene	4.56	ug/L	1.0	91	70	130			
Xylenes, Total	13.5	ug/L	1.0	90	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	105	70	130			
Surr: Dibromofluoromethane			1.0	90	70	130			
Surr: p-Bromofluorobenzene			1.0	100	70	130			
Surr: Toluene-d8			1.0	104	70	130			
Sample ID: MBLK070207A									07/02/07 18:22
Method Blank				Run: 1SATURN_070702A					
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 07/06/07

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R38352		
Sample ID: MBLK070207A	Method Blank		Run: 1SATURN_070702A				07/02/07 18:22		
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	97	70	130			
Surr: Dibromofluoromethane			1.0	91	70	130			
Surr: p-Bromofluorobenzene			1.0	102	70	130			
Surr: Toluene-d8			1.0	101	70	130			
Sample ID: LCS070307A	Laboratory Control Sample		Run: 1SATURN_070702A				07/03/07 08:56		
Acetone	44.8	ug/L	20	90	70	130			
Acrylonitrile	48.0	ug/L	20	96	70	130			
Benzene	4.24	ug/L	1.0	85	70	130			
Bromochloromethane	4.48	ug/L	1.0	90	70	130			
Bromodichloromethane	4.12	ug/L	1.0	82	70	130			
Bromoform	4.44	ug/L	1.0	89	70	130			
Bromomethane	4.76	ug/L	1.0	95	70	130			
Carbon disulfide	4.88	ug/L	1.0	98	70	130			
Carbon tetrachloride	4.52	ug/L	1.0	90	70	130			
Chlorobenzene	4.36	ug/L	1.0	87	70	130			
Chlorodibromomethane	4.80	ug/L	1.0	96	70	130			
Chloroethane	4.20	ug/L	1.0	84	70	130			
Chloroform	4.20	ug/L	1.0	84	70	130			
Chloromethane	4.72	ug/L	1.0	94	70	130			
1,2-Dibromo-3-chloropropane	3.98	ug/L	1.0	80	70	130			
1,2-Dibromoethane	5.64	ug/L	1.0	113	70	130			
Dibromomethane	4.36	ug/L	1.0	87	70	130			
1,2-Dichlorobenzene	4.32	ug/L	1.0	86	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 07/06/07

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R38352		
Sample ID: LCS070307A	Laboratory Control Sample				Run: 1SATURN_070702A		07/03/07 08:56		
1,4-Dichlorobenzene	4.88	ug/L	1.0	98	70	130			
trans-1,4-Dichloro-2-butene	5.08	ug/L	1.0	102	70	130			
Dichlorodifluoromethane	4.20	ug/L	1.0	84	70	130			
1,1-Dichloroethane	4.64	ug/L	1.0	93	70	130			
1,2-Dichloroethane	4.68	ug/L	1.0	94	70	130			
1,1-Dichloroethene	4.24	ug/L	1.0	85	70	130			
cis-1,2-Dichloroethene	4.28	ug/L	1.0	86	70	130			
trans-1,2-Dichloroethene	4.64	ug/L	1.0	93	70	130			
1,2-Dichloropropane	4.84	ug/L	1.0	97	70	130			
cis-1,3-Dichloropropene	4.20	ug/L	1.0	84	70	130			
trans-1,3-Dichloropropene	4.56	ug/L	1.0	91	70	130			
Ethylbenzene	4.40	ug/L	1.0	88	70	130			
2-Hexanone	48.4	ug/L	20	97	70	130			
Iodomethane	3.99	ug/L	1.0	80	70	130			
Methyl ethyl ketone	45.2	ug/L	20	90	70	130			
Methyl isobutyl ketone	48.4	ug/L	20	97	70	130			
Methylene chloride	4.16	ug/L	1.0	83	70	130			
Styrene	4.40	ug/L	1.0	88	70	130			
1,1,1,2-Tetrachloroethane	4.48	ug/L	1.0	90	70	130			
1,1,2,2-Tetrachloroethane	4.28	ug/L	1.0	86	70	130			
Tetrachloroethene	4.56	ug/L	1.0	91	70	130			
Toluene	4.52	ug/L	1.0	90	70	130			
1,1,1-Trichloroethane	4.64	ug/L	1.0	93	70	130			
1,1,2-Trichloroethane	4.56	ug/L	1.0	91	70	130			
Trichloroethene	4.88	ug/L	1.0	98	70	130			
Trichlorofluoromethane	5.00	ug/L	1.0	100	70	130			
1,2,3-Trichloropropane	6.36	ug/L	1.0	127	70	130			
Vinyl acetate	5.72	ug/L	1.0	114	70	130			
Vinyl chloride	4.52	ug/L	1.0	90	70	130			
m+p-Xylenes	8.76	ug/L	1.0	88	70	130			
o-Xylene	4.56	ug/L	1.0	91	70	130			
Xylenes, Total	13.3	ug/L	1.0	89	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	112	70	130			
Surr: Dibromofluoromethane			1.0	94	70	130			
Surr: p-Bromofluorobenzene			1.0	102	70	130			
Surr: Toluene-d8			1.0	101	70	130			
Sample ID: MBLK070307A	Method Blank				Run: 1SATURN_070702A		07/03/07 11:06		
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 07/06/07

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R38352		
Sample ID: MBLK070307A	Method Blank		Run: 1SATURN_070702A				07/03/07 11:06		
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/06/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R38352		
Sample ID: MBLK070307A	Method Blank		Run: 1SATURN_070702A				07/03/07 11:06		
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	112	70	130			
Surr: Dibromofluoromethane			1.0	93	70	130			
Surr: p-Bromofluorobenzene			1.0	99	70	130			
Surr: Toluene-d8			1.0	102	70	130			
Sample ID: H07060320-001EMS	Sample Matrix Spike		Run: 1SATURN_070702A				07/03/07 12:35		
Acetone	96.8	ug/L	40	97	70	130			
Acrylonitrile	90.4	ug/L	40	90	70	130			
Benzene	8.72	ug/L	2.0	87	70	130			
Bromochloromethane	9.68	ug/L	2.0	97	70	130			
Bromodichloromethane	8.80	ug/L	2.0	88	70	130			
Bromoform	9.36	ug/L	2.0	94	70	130			
Bromomethane	10.5	ug/L	2.0	105	70	130			
Carbon disulfide	10.0	ug/L	2.0	100	70	130			
Carbon tetrachloride	9.44	ug/L	2.0	94	70	130			
Chlorobenzene	8.88	ug/L	2.0	89	70	130			
Chlorodibromomethane	9.52	ug/L	2.0	95	70	130			
Chloroethane	8.48	ug/L	2.0	85	70	130			
Chloroform	9.04	ug/L	2.0	90	70	130			
Chloromethane	9.36	ug/L	2.0	94	70	130			
1,2-Dibromo-3-chloropropane	8.64	ug/L	2.0	86	70	130			
1,2-Dibromoethane	12.9	ug/L	2.0	129	70	130			
Dibromomethane	9.12	ug/L	2.0	91	70	130			
1,2-Dichlorobenzene	8.64	ug/L	2.0	86	70	130			
1,4-Dichlorobenzene	8.88	ug/L	2.0	89	70	130			
trans-1,4-Dichloro-2-butene	9.04	ug/L	2.0	90	70	130			
Dichlorodifluoromethane	8.80	ug/L	2.0	88	70	130			
1,1-Dichloroethane	9.76	ug/L	2.0	98	70	130			
1,2-Dichloroethane	9.60	ug/L	2.0	96	70	130			
1,1-Dichloroethene	9.20	ug/L	2.0	92	70	130			
cis-1,2-Dichloroethene	8.80	ug/L	2.0	88	70	130			
trans-1,2-Dichloroethene	9.44	ug/L	2.0	94	70	130			
1,2-Dichloropropane	9.76	ug/L	2.0	98	70	130			
cis-1,3-Dichloropropene	8.96	ug/L	2.0	90	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 07/06/07

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R38352		
Sample ID: H07060320-001EMS	Sample Matrix Spike		Run: 1SATURN_070702A				07/03/07 12:35		
trans-1,3-Dichloropropene	9.20	ug/L	2.0	92	70	130			
Ethylbenzene	8.64	ug/L	2.0	86	70	130			
2-Hexanone	99.2	ug/L	40	99	70	130			
Iodomethane	8.08	ug/L	2.0	81	70	130			
Methyl ethyl ketone	94.4	ug/L	40	94	70	130			
Methyl isobutyl ketone	96.0	ug/L	40	96	70	130			
Methylene chloride	8.16	ug/L	2.0	82	70	130			
Styrene	8.88	ug/L	2.0	89	70	130			
1,1,1,2-Tetrachloroethane	9.28	ug/L	2.0	93	70	130			
1,1,2,2-Tetrachloroethane	8.64	ug/L	2.0	86	70	130			
Tetrachloroethene	9.04	ug/L	2.0	90	70	130			
Toluene	8.72	ug/L	2.0	83	70	130			
1,1,1-Trichloroethane	9.28	ug/L	2.0	93	70	130			
1,1,2-Trichloroethane	9.52	ug/L	2.0	95	70	130			
Trichloroethene	9.68	ug/L	2.0	97	70	130			
Trichlorofluoromethane	9.68	ug/L	2.0	97	70	130			
1,2,3-Trichloropropane	12.2	ug/L	2.0	122	70	130			
Vinyl acetate	9.44	ug/L	2.0	94	70	130			
Vinyl chloride	9.68	ug/L	2.0	97	70	130			
m+p-Xylenes	17.3	ug/L	2.0	85	70	130			
o-Xylene	8.96	ug/L	2.0	90	70	130			
Xylenes, Total	26.2	ug/L	2.0	87	70	130			
Surr: 1,2-Dichloroethane-d4			2.0	119	70	130			
Surr: Dibromofluoromethane			2.0	98	70	130			
Surr: p-Bromofluorobenzene			2.0	103	70	130			
Surr: Toluene-d8			2.0	101	70	130			
Sample ID: H07060320-001EMSD	Sample Matrix Spike Duplicate		Run: 1SATURN_070702A				07/03/07 13:04		
Acetone	102	ug/L	40	102	70	130	5.6	20	
Acrylonitrile	90.4	ug/L	40	90	70	130	0.0	20	
Benzene	8.08	ug/L	2.0	81	70	130	7.6	20	
Bromochloromethane	9.52	ug/L	2.0	95	70	130	1.7	20	
Bromodichloromethane	9.04	ug/L	2.0	90	70	130	2.7	20	
Bromoform	9.92	ug/L	2.0	99	70	130	5.8	20	
Bromomethane	11.3	ug/L	2.0	113	70	130	7.4	20	
Carbon disulfide	9.84	ug/L	2.0	98	70	130	1.6	20	
Carbon tetrachloride	9.36	ug/L	2.0	94	70	130	0.9	20	
Chlorobenzene	9.60	ug/L	2.0	96	70	130	7.8	20	
Chlorodibromomethane	9.36	ug/L	2.0	94	70	130	1.7	20	
Chloroethane	9.04	ug/L	2.0	90	70	130	6.4	20	
Chloroform	8.96	ug/L	2.0	90	70	130	0.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 07/06/07

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R38352		
Sample ID: H07060320-001EMSD	Sample Matrix Spike Duplicate			Run: 1SATURN_070702A			07/03/07 13:04		
Chloromethane	9.28	ug/L	2.0	93	70	130	0.9	20	
1,2-Dibromo-3-chloropropane	8.56	ug/L	2.0	86	70	130	0.9	20	
1,2-Dibromoethane	12.4	ug/L	2.0	124	70	130	3.8	20	
Dibromomethane	9.52	ug/L	2.0	95	70	130	4.3	20	
1,2-Dichlorobenzene	8.88	ug/L	2.0	89	70	130	2.7	20	
1,4-Dichlorobenzene	9.76	ug/L	2.0	98	70	130	9.4	20	
trans-1,4-Dichloro-2-butene	10.4	ug/L	2.0	104	70	130	14	20	
Dichlorodifluoromethane	8.64	ug/L	2.0	86	70	130	1.8	20	
1,1-Dichloroethane	9.28	ug/L	2.0	93	70	130	5.0	20	
1,2-Dichloroethane	9.92	ug/L	2.0	99	70	130	3.3	20	
1,1-Dichloroethene	8.64	ug/L	2.0	86	70	130	6.3	20	
cis-1,2-Dichloroethene	9.04	ug/L	2.0	90	70	130	2.7	20	
trans-1,2-Dichloroethene	9.44	ug/L	2.0	94	70	130	0.0	20	
1,2-Dichloropropane	10.1	ug/L	2.0	101	70	130	3.2	20	
cis-1,3-Dichloropropene	9.12	ug/L	2.0	91	70	130	1.8	20	
trans-1,3-Dichloropropene	9.52	ug/L	2.0	95	70	130	3.4	20	
Ethylbenzene	9.12	ug/L	2.0	91	70	130	5.4	20	
2-Hexanone	107	ug/L	40	107	70	130	7.8	20	
Iodomethane	8.08	ug/L	2.0	81	70	130	0.0	20	
Methyl ethyl ketone	99.2	ug/L	40	99	70	130	5.0	20	
Methyl isobutyl ketone	103	ug/L	40	103	70	130	7.2	20	
Methylene chloride	8.72	ug/L	2.0	87	70	130	6.6	20	
Styrene	8.80	ug/L	2.0	88	70	130	0.9	20	
1,1,1,2-Tetrachloroethane	9.52	ug/L	2.0	95	70	130	2.6	20	
1,1,2,2-Tetrachloroethane	9.28	ug/L	2.0	93	70	130	7.1	20	
Tetrachloroethene	9.28	ug/L	2.0	93	70	130	2.6	20	
Toluene	9.28	ug/L	2.0	89	70	130	6.2	20	
1,1,1-Trichloroethane	9.28	ug/L	2.0	93	70	130	0.0	20	
1,1,2-Trichloroethane	10.1	ug/L	2.0	101	70	130	5.7	20	
Trichloroethene	9.52	ug/L	2.0	95	70	130	1.7	20	
Trichlorofluoromethane	9.92	ug/L	2.0	99	70	130	2.4	20	
1,2,3-Trichloropropane	12.8	ug/L	2.0	128	70	130	4.5	20	
Vinyl acetate	9.12	ug/L	2.0	91	70	130	3.4	20	
Vinyl chloride	9.84	ug/L	2.0	98	70	130	1.6	20	
m+p-Xylenes	17.8	ug/L	2.0	88	70	130	3.2	20	
o-Xylene	9.20	ug/L	2.0	92	70	130	2.6	20	
Xylenes, Total	27.0	ug/L	2.0	89	70	130	3.0	20	
Surr: 1,2-Dichloroethane-d4			2.0	113	70	130	0.0	20	
Surr: Dibromofluoromethane			2.0	91	70	130	0.0	20	
Surr: p-Bromofluorobenzene			2.0	101	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Report Date: 07/06/07

Project: Mr. M Landfill

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B			Batch: R38352						
Sample ID: H07060320-001EMSD	Sample Matrix Spike Duplicate			Run: 1SATURN_070702A				07/03/07 13:04	
Surr: Toluene-d8	4.00	ug/L	2.0	100	70	130	0.0	20	
1,2,3-Trichlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2-Dichlorobenzene	4.00	ug/L	4.0	95	70	130			
1,3-Dichlorobenzene	4.00	ug/L	4.0	95	70	130			
1,4-Dichlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,4-Trichlorobenzene	4.00	ug/L	4.0	95	70	130			
1,3,5-Trichlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,4,5-Tetrachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4-Tetrachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,5-Tetrachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,6-Tetrachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,4,6-Tetrachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,3,4,6-Tetrachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5-Pentachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,6-Pentachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,5,6-Pentachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6-Hexachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,7-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,8-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,9-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,10-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,11-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,12-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,13-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,14-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,15-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,16-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,17-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,18-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,19-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,20-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,21-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,22-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,23-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,24-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,25-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,26-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,27-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,28-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,29-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,30-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,31-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,32-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,33-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,34-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,35-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,36-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,37-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,38-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,39-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,40-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,41-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,42-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,43-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,44-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,45-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,46-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,47-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,48-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,49-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,50-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,51-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,52-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,53-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,54-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,55-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,56-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,57-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,58-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,59-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,60-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,61-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,62-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,63-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,64-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,65-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,66-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,67-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,68-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,69-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,70-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,71-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,72-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,73-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,74-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,75-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,76-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,77-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,78-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,79-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,80-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,81-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,82-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,83-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,84-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,85-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,86-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,87-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,88-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,89-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,90-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,91-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,92-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,93-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,94-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,95-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,96-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,97-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,98-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,99-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			
1,2,3,4,5,6,100-Heptachlorobenzene	4.00	ug/L	4.0	95	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/06/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Analytical Run: 1SATURN_070629B		
Sample ID: CCV062907A	Continuing Calibration Verification Standard							06/29/07 07:53	
1,1,1-Trichloroethane	4.20	ug/L	1.0	84	70	130			
1,1,2-Trichloroethane	4.16	ug/L	1.0	83	70	130			
Trichloroethene	4.56	ug/L	1.0	91	70	130			
Trichlorofluoromethane	4.72	ug/L	1.0	94	70	130			
1,2,3-Trichloropropane	5.68	ug/L	1.0	114	70	130			
Vinyl acetate	4.04	ug/L	1.0	81	70	130			
Vinyl chloride	4.52	ug/L	1.0	90	80	120			
m+p-Xylenes	8.60	ug/L	1.0	86	70	130			
o-Xylene	4.20	ug/L	1.0	84	70	130			
Xylenes, Total	12.8	ug/L	1.0	85	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	113	70	130			
Surr: Dibromofluoromethane			1.0	93	70	130			
Surr: p-Bromofluorobenzene			1.0	102	70	130			
Surr: Toluene-d8			1.0	96	70	130			
Method: SW8260B							Batch: R38291		
Sample ID: LCS062907A	Laboratory Control Sample							Run: 1SATURN_070629B	
Acetone	44.8	ug/L	20	90	70	130			06/29/07 09:06
Acrylonitrile	42.0	ug/L	20	84	70	130			
Benzene	3.68	ug/L	1.0	74	70	130			
Bromochloromethane	4.52	ug/L	1.0	90	70	130			
Bromodichloromethane	4.44	ug/L	1.0	89	70	130			
Bromoform	4.92	ug/L	1.0	98	70	130			
Bromomethane	4.72	ug/L	1.0	94	70	130			
Carbon disulfide	5.12	ug/L	1.0	102	70	130			
Carbon tetrachloride	4.56	ug/L	1.0	91	70	130			
Chlorobenzene	4.52	ug/L	1.0	90	70	130			
Chlorodibromomethane	4.84	ug/L	1.0	97	70	130			
Chloroethane	4.32	ug/L	1.0	86	70	130			
Chloroform	4.32	ug/L	1.0	86	70	130			
Chloromethane	5.00	ug/L	1.0	100	70	130			
1,2-Dibromo-3-chloropropane	4.32	ug/L	1.0	86	70	130			
1,2-Dibromoethane	6.04	ug/L	1.0	121	70	130			
Dibromomethane	4.80	ug/L	1.0	96	70	130			
1,2-Dichlorobenzene	4.68	ug/L	1.0	94	70	130			
1,4-Dichlorobenzene	4.92	ug/L	1.0	98	70	130			
trans-1,4-Dichloro-2-butene	4.28	ug/L	1.0	86	70	130			
Dichlorodifluoromethane	4.08	ug/L	1.0	82	70	130			
1,1-Dichloroethane	4.56	ug/L	1.0	91	70	130			
1,2-Dichloroethane	4.64	ug/L	1.0	93	70	130			

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QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/06/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R38291		
Sample ID: LCS062907A	Laboratory Control Sample				Run: 1SATURN_070629B			06/29/07 09:06	
1,1-Dichloroethene	4.00	ug/L	1.0	80	70	130			
cis-1,2-Dichloroethene	4.20	ug/L	1.0	84	70	130			
trans-1,2-Dichloroethene	4.44	ug/L	1.0	89	70	130			
1,2-Dichloropropane	4.72	ug/L	1.0	94	70	130			
cis-1,3-Dichloropropene	4.60	ug/L	1.0	92	70	130			
trans-1,3-Dichloropropene	4.96	ug/L	1.0	99	70	130			
Ethylbenzene	4.60	ug/L	1.0	92	70	130			
2-Hexanone	49.6	ug/L	20	99	70	130			
Iodomethane	3.98	ug/L	1.0	80	70	130			
Methyl ethyl ketone	46.8	ug/L	20	94	70	130			
Methyl isobutyl ketone	47.2	ug/L	20	94	70	130			
Methylene chloride	3.93	ug/L	1.0	79	70	130			
Styrene	4.20	ug/L	1.0	84	70	130			
1,1,1,2-Tetrachloroethane	4.60	ug/L	1.0	92	70	130			
1,1,2,2-Tetrachloroethane	5.00	ug/L	1.0	100	70	130			
Tetrachloroethene	4.80	ug/L	1.0	96	70	130			
Toluene	4.48	ug/L	1.0	90	70	130			
1,1,1-Trichloroethane	4.48	ug/L	1.0	90	70	130			
1,1,2-Trichloroethane	4.68	ug/L	1.0	94	70	130			
Trichloroethene	4.76	ug/L	1.0	95	70	130			
Trichlorofluoromethane	4.72	ug/L	1.0	94	70	130			
1,2,3-Trichloropropane	5.52	ug/L	1.0	110	70	130			
Vinyl acetate	4.20	ug/L	1.0	84	70	130			
Vinyl chloride	4.80	ug/L	1.0	96	70	130			
m+p-Xylenes	8.60	ug/L	1.0	86	70	130			
o-Xylene	4.52	ug/L	1.0	90	70	130			
Xylenes, Total	13.1	ug/L	1.0	87	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	103	70	130			
Surr: Dibromofluoromethane			1.0	89	70	130			
Surr: p-Bromofluorobenzene			1.0	101	70	130			
Surr: Toluene-d8			1.0	94	70	130			
Sample ID: MBLK062907A	Method Blank				Run: 1SATURN_070629B			06/29/07 10:23	
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						

Qualifiers:

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QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/06/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R38291
Sample ID: MBLK062907A	Method Blank		Run: 1SATURN_070629B				06/29/07 10:23		
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						

Qualifiers:

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QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/24/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 070705A-ALK-W		
Sample ID: MBLK1_070705A	Method Blank					Run: TITTR_070705B			07/05/07 09:39
Alkalinity, Total as CaCO3	4	mg/L	1						
Sample ID: LCS1_070705A	Laboratory Control Sample					Run: TITTR_070705B			07/05/07 09:52
Alkalinity, Total as CaCO3	610	mg/L	4.0	101	90	110			
Sample ID: H07060328-003ADUP	Sample Duplicate					Run: TITTR_070705B			07/05/07 11:09
Alkalinity, Total as CaCO3	320	mg/L	4.0				1.6	20	
Sample ID: H07060330-008AMS	Sample Matrix Spike					Run: TITTR_070705B			07/05/07 15:40
Alkalinity, Total as CaCO3	650	mg/L	4.0	97	90	110			
Sample ID: H07060330-008AMSD	Sample Matrix Spike Duplicate					Run: TITTR_070705B			07/05/07 15:49
Alkalinity, Total as CaCO3	640	mg/L	4.0	96	90	110	0.6	20	
Method: A2510 B							Batch: 070629A-COND-PROBE-W		
Sample ID: LCS1_070629A	Laboratory Control Sample					Run: COND_070629A			06/29/07 14:45
Conductivity	1400	umhos/cm	1.0	99	90	110			
Sample ID: H07060320-004ADUP	Sample Duplicate					Run: COND_070629A			06/29/07 16:06
Conductivity	1340	umhos/cm	1.0				0.4	10	
Method: A2540 C							Batch: 070703A-SLDS-TDS-W		
Sample ID: MBLK1_070703A	Method Blank					Run: SOLIDS_070703B			07/03/07 14:29
Solids, Total Dissolved TDS @ 180 C	2	mg/L	1.0						
Sample ID: H07060320-010AMS	Sample Matrix Spike					Run: SOLIDS_070703B			07/03/07 14:30
Solids, Total Dissolved TDS @ 180 C	2380	mg/L	10	101	80	120			
Sample ID: H07060320-010AMSD	Sample Matrix Spike Duplicate					Run: SOLIDS_070703B			07/03/07 14:30
Solids, Total Dissolved TDS @ 180 C	2370	mg/L	10	100	80	120	0.5	10	
Method: A2540 D							Batch: 070703A-SLDS-TSS-W		
Sample ID: LCS1_070703A	Laboratory Control Sample					Run: SOLIDS_070703A			07/03/07 14:23
Solids, Total Suspended TSS @ 105 C	2040	mg/L	10	102	70	130			
Sample ID: H07060332-001CDUP	Sample Duplicate					Run: SOLIDS_070703A			07/03/07 14:25
Solids, Total Suspended TSS @ 105 C	1.00	mg/L	10				0.0	10	

Qualifiers:

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QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/24/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl C							Batch: 070705A-CL-TTR-W		
Sample ID: MBLK1_070705A	Method Blank					Run: TITR_070705A			07/05/07 09:00
Chloride	ND	mg/L	0.7						
Sample ID: LCS1_070705A	Laboratory Control Sample					Run: TITR_070705A			07/05/07 09:01
Chloride	105	mg/L	1.0	105	90	110			
Sample ID: H07060308-006ADUP	Sample Duplicate					Run: TITR_070705A			07/05/07 10:17
Chloride	2.00	mg/L	1.0				0.0	20	
Sample ID: H07060320-006AMS	Sample Matrix Spike					Run: TITR_070705A			07/05/07 10:35
Chloride	27.5	mg/L	1.0	90	90	110			
Method: A4500-H B							Batch: 070703A-PH-W		
Sample ID: LCS1_070703A	Laboratory Control Sample					Run: PH_070703A			07/03/07 08:10
pH	6.96	s.u.	0.10	99	98.6	101.4			
Sample ID: H07060320-003ADUP	Sample Duplicate					Run: PH_070703A			07/03/07 08:34
pH	7.67	s.u.	0.10				0.3	2	
Sample ID: H07060330-008ADUP	Sample Duplicate					Run: PH_070703A			07/03/07 08:46
pH	7.31	s.u.	0.10				0.0	2	
Method: A4500-SO4 E							Batch: 070706A-SO4-TURB-W		
Sample ID: MBLK1_070706A	Method Blank					Run: TURBIDITY_070706A			07/06/07 10:51
Sulfate	ND	mg/L	0.6						
Sample ID: LCS1_070706A	Laboratory Control Sample					Run: TURBIDITY_070706A			07/06/07 10:52
Sulfate	102	mg/L	1.1	102	90	110			
Sample ID: H07060293-004AMS	Sample Matrix Spike					Run: TURBIDITY_070706A			07/06/07 10:54
Sulfate	44.9	mg/L	1.0	98	80	120			
Sample ID: H07060293-004AMSD	Sample Matrix Spike Duplicate					Run: TURBIDITY_070706A			07/06/07 10:54
Sulfate	45.1	mg/L	1.0	99	80	120	0.4	10	
Sample ID: H07060320-008ADUP	Sample Duplicate					Run: TURBIDITY_070706A			07/06/07 11:01
Sulfate	24.4	mg/L	1.1				0.8	20	
Sample ID: H07060330-005AMS	Sample Matrix Spike					Run: TURBIDITY_070706A			07/06/07 11:09
Sulfate	46.7	mg/L	1.0	90	80	120			
Sample ID: H07060330-005AMSD	Sample Matrix Spike Duplicate					Run: TURBIDITY_070706A			07/06/07 11:09
Sulfate	47.4	mg/L	1.0	94	80	120	1.4	10	

Qualifiers:

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QA/QC Summary Report

Client: MT DEQ

Report Date: 07/24/07

Project: Mr. M Landfill

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A5210 B							Batch: 070629-BOD		
Sample ID: LCS0706291500	Laboratory Control Sample				Run: MISC WC_070629D		06/29/07 15:00		
Oxygen Demand, Biochemical (BOD)	200	mg/L	1.0	103	85	115			
Sample ID: MBLK0706291500	Method Blank				Run: MISC WC_070629D		06/29/07 15:00		
Oxygen Demand, Biochemical (BOD)	ND	mg/L	1						
Method: A5310 C							Analytical Run: SUB-C85956		
Sample ID: ICV-C3485	Initial Calibration Verification Standard						07/03/07 13:13		
Organic Carbon, Total (TOC)	9.62	mg/L	0.50	96	90	110			
Sample ID: CCV-C3233	Continuing Calibration Verification Standard						07/03/07 19:19		
Organic Carbon, Total (TOC)	9.70	mg/L	0.50	97	90	110			
Sample ID: ICV-C3485	Initial Calibration Verification Standard						07/03/07 19:29		
Organic Carbon, Total (TOC)	9.78	mg/L	0.50	98	90	110			
Sample ID: CCV1-C3233	Continuing Calibration Verification Standard						07/03/07 22:18		
Organic Carbon, Total (TOC)	12.2	mg/L	0.50	98	90	110			
Method: A5310 C							Batch: C_R85956		
Sample ID: MBLK	Method Blank				Run: SUB-C85956		07/03/07 13:53		
Organic Carbon, Total (TOC)	ND	mg/L	0.04						
Sample ID: LCS-C3485	Laboratory Control Sample				Run: SUB-C85956		07/03/07 19:09		
Organic Carbon, Total (TOC)	9.66	mg/L	0.50	97	90	110			
Sample ID: MBLK	Method Blank				Run: SUB-C85956		07/03/07 20:00		
Organic Carbon, Total (TOC)	ND	mg/L	0.04						
Sample ID: C07070088-004AMS	Sample Matrix Spike				Run: SUB-C85956		07/03/07 21:47		
Organic Carbon, Total (TOC)	5.72	mg/L	0.50	93	85	115			
Sample ID: C07070088-004AMSD	Sample Matrix Spike Duplicate				Run: SUB-C85956		07/03/07 21:58		
Organic Carbon, Total (TOC)	5.77	mg/L	0.50	94	85	115	0.8	10	
Sample ID: LCS1-C3485	Laboratory Control Sample				Run: SUB-C85956		07/03/07 22:08		
Organic Carbon, Total (TOC)	12.3	mg/L	0.50	98	90	110			
Sample ID: MBLK	Method Blank				Run: SUB-C85956		07/03/07 22:47		
Organic Carbon, Total (TOC)	ND	mg/L	0.04						

Qualifiers:

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QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/24/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E1664A							Batch: G_070711A		
Sample ID: MBLK1	Method Blank				Run: SUB-G151349		07/11/07 13:10		
Oil & Grease (HEM)	ND	mg/L	1.0						
Sample ID: LCS	Laboratory Control Sample				Run: SUB-G151349		07/11/07 13:11		
Oil & Grease (HEM)	37	mg/L	1.0	92	78	114			
Sample ID: LCSD	Laboratory Control Sample Duplicate				Run: SUB-G151349		07/11/07 13:12		
Oil & Grease (HEM)	38	mg/L	1.0	95	78	114	3.0	18	
Sample ID: G07060968-004HMS	Sample Matrix Spike				Run: SUB-G151349		07/11/07 17:10		
Oil & Grease (HEM)	37	mg/L	1.0	90	78	114			
Sample ID: G07060968-004HMS							Batch: G_070711A		
Sample ID: G07060968-004HMS	Method Blank				Run: SUB-G151349		07/11/07 17:10		
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
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Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						
Acetone	ND	mg/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Report Date: 07/24/07

Project: Mr. M Landfill

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
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Method: E200.7

Analytical Run: SUB-B96035

Sample ID: QCS

Initial Calibration Verification Standard

07/05/07 11:47

Antimony	0.988	mg/L	0.0100	99	90	110			
Barium	0.985	mg/L	0.10	99	90	110			
Beryllium	0.508	mg/L	0.010	102	90	110			
Calcium	49.3	mg/L	1.0	99	90	110			
Chromium	0.997	mg/L	0.050	100	90	110			
Cobalt	0.993	mg/L	0.020	99	90	110			
Iron	4.96	mg/L	0.030	99	90	110			
Magnesium	48.7	mg/L	1.0	97	90	110			
Nickel	1.00	mg/L	0.050	100	90	110			
Thallium	0.989	mg/L	0.0089	99	90	110			
Vanadium	0.986	mg/L	0.10	99	90	110			
Zinc	1.00	mg/L	0.010	100	90	110			

Method: E200.7

Batch: B_R96035

Sample ID: MB-SPDIS070705A

Method Blank

Run: SUB-B96035

07/05/07 12:35

Antimony	ND	mg/L	0.010						
Barium	ND	mg/L	0.0001						
Beryllium	ND	mg/L	8E-05						
Calcium	ND	mg/L	0.009						
Chromium	ND	mg/L	0.002						
Cobalt	ND	mg/L	0.0010						
Iron	ND	mg/L	0.002						
Magnesium	ND	mg/L	0.01						
Nickel	0.002	mg/L	0.001						
Thallium	ND	mg/L	0.009						
Vanadium	ND	mg/L	0.001						
Zinc	ND	mg/L	0.0004						

Sample ID: LFB-SPDIS070705A

Laboratory Fortified Blank

Run: SUB-B96035

07/05/07 12:38

Antimony	0.930	mg/L	0.010	93	85	115			
Barium	1.00	mg/L	0.10	100	85	115			
Beryllium	0.486	mg/L	0.010	97	85	115			
Calcium	48.6	mg/L	1.0	97	85	115			
Chromium	0.986	mg/L	0.050	99	85	115			
Cobalt	0.987	mg/L	0.020	99	85	115			
Iron	4.99	mg/L	0.030	100	85	115			
Magnesium	49.1	mg/L	1.0	98	85	115			
Nickel	0.987	mg/L	0.050	99	85	115			
Thallium	0.957	mg/L	0.0091	96	85	115			
Vanadium	1.01	mg/L	0.10	101	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/24/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: B_R96035		
Sample ID: LFB-SPDIS070705A	Laboratory Fortified Blank				Run: SUB-B96035		07/05/07 12:38		
Zinc	0.987	mg/L	0.010	99	85	115			
Sample ID: H07060320-008C	Sample Matrix Spike				Run: SUB-B96035		07/05/07 14:15		
Antimony	0.9833	mg/L	0.010	98	70	130			
Barium	1.219	mg/L	0.10	98	70	130			
Beryllium	0.5005	mg/L	0.0010	100	70	130			
Calcium	180.8	mg/L	1.0	97	70	130			
Chromium	0.9812	mg/L	0.010	98	70	130			
Cobalt	0.9863	mg/L	0.010	99	70	130			
Iron	4.929	mg/L	0.030	99	70	130			
Magnesium	68.95	mg/L	1.0	100	70	130			
Nickel	0.9823	mg/L	0.010	98	70	130			
Thallium	0.9568	mg/L	0.0092	96	70	130			
Vanadium	0.9976	mg/L	0.10	100	70	130			
Zinc	1.011	mg/L	0.010	101	70	130			
Sample ID: H07060320-008C	Sample Matrix Spike Duplicate				Run: SUB-B96035		07/05/07 14:18		
Antimony	0.9629	mg/L	0.010	96	70	130	2.1	20	
Barium	1.233	mg/L	0.10	99	70	130	1.2	20	
Beryllium	0.4925	mg/L	0.0010	99	70	130	1.6	20	
Calcium	177.1	mg/L	1.0	90	70	130	2.1	20	
Chromium	0.9670	mg/L	0.010	97	70	130	1.5	20	
Cobalt	0.9700	mg/L	0.010	97	70	130	1.7	20	
Iron	4.894	mg/L	0.030	98	70	130	0.7	20	
Magnesium	67.32	mg/L	1.0	97	70	130	2.4	20	
Nickel	0.9843	mg/L	0.010	98	70	130	0.2	20	
Thallium	0.9384	mg/L	0.0092	94	70	130	1.9	20	
Vanadium	0.9925	mg/L	0.10	99	70	130	0.5	20	
Zinc	1.015	mg/L	0.010	101	70	130	0.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/24/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Analytical Run: SUB-B96383		
Sample ID: QCS - ME070515A, ME0 Initial Calibration Verification Standard							07/12/07 10:55		
Antimony	0.051	mg/L	0.050	101	90	110			
Arsenic	0.050	mg/L	0.0050	101	90	110			
Cadmium	0.025	mg/L	0.0010	99	90	110			
Copper	0.048	mg/L	0.010	97	90	110			
Lead	0.050	mg/L	0.010	99	90	110			
Mercury	0.0019	mg/L	0.0010	95	90	110			
Nickel	0.049	mg/L	0.010	99	90	110			
Selenium	0.050	mg/L	0.0050	99	90	110			
Silver	0.025	mg/L	0.0050	101	90	110			
Thallium	0.050	mg/L	0.10	99	90	110			
Zinc	0.050	mg/L	0.010	101	90	110			
Sample ID: QCS - ME070515A, ME0 Initial Calibration Verification Standard							07/12/07 22:54		
Antimony	0.050	mg/L	0.050	101	90	110			
Arsenic	0.050	mg/L	0.0050	100	90	110			
Cadmium	0.025	mg/L	0.0010	98	90	110			
Copper	0.049	mg/L	0.010	98	90	110			
Lead	0.050	mg/L	0.010	99	90	110			
Mercury	0.0019	mg/L	0.0010	95	90	110			
Nickel	0.049	mg/L	0.010	99	90	110			
Selenium	0.049	mg/L	0.0050	99	90	110			
Silver	0.025	mg/L	0.0050	100	90	110			
Thallium	0.050	mg/L	0.10	100	90	110			
Zinc	0.051	mg/L	0.010	101	90	110			
Method: E200.8							Batch: B_R96383		
Sample ID: LRB Method Blank							Run: SUB-B96383		
							07/12/07 11:57		
Antimony	3E-05	mg/L	1E-05						
Arsenic	ND	mg/L	4E-05						
Cadmium	ND	mg/L	9E-06						
Copper	ND	mg/L	7E-05						
Lead	3E-05	mg/L	8E-06						
Mercury	ND	mg/L	1E-05						
Nickel	ND	mg/L	3E-05						
Selenium	0.0001	mg/L	0.0001						
Silver	ND	mg/L	3E-05						
Thallium	ND	mg/L	7E-06						
Zinc	0.0008	mg/L	3E-05						
Sample ID: LFB Laboratory Fortified Blank							Run: SUB-B96383		
							07/12/07 12:05		
Antimony	0.051	mg/L	0.050	101	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 07/24/07

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: B_R96383		
Sample ID: LFB	Laboratory Fortified Blank			Run: SUB-B96383			07/12/07 12:05		
Arsenic	0.051	mg/L	0.0050	102	85	115			
Cadmium	0.051	mg/L	0.0010	102	85	115			
Copper	0.052	mg/L	0.010	104	85	115			
Lead	0.051	mg/L	0.010	102	85	115			
Mercury	0.0010	mg/L	0.0010	101	85	115			
Nickel	0.052	mg/L	0.010	104	85	115			
Selenium	0.051	mg/L	0.0050	102	85	115			
Silver	0.019	mg/L	0.0050	97	85	115			
Thallium	0.051	mg/L	0.10	102	85	115			
Zinc	0.052	mg/L	0.010	103	85	115			
Sample ID: H07060320-004C	Sample Matrix Spike			Run: SUB-B96383			07/13/07 05:13		
Antimony	0.05245	mg/L	0.0050	105	70	130			
Arsenic	0.05324	mg/L	0.0050	106	70	130			
Cadmium	0.04901	mg/L	0.0010	98	70	130			
Copper	0.04914	mg/L	0.010	95	70	130			
Lead	0.05112	mg/L	0.010	102	70	130			
Mercury	0.001030	mg/L	0.0010	103	70	130			
Nickel	0.05441	mg/L	0.010	96	70	130			
Selenium	0.05581	mg/L	0.0050	105	70	130			
Silver	0.01171	mg/L	0.0050	59	70	130			S
Thallium	0.05168	mg/L	0.0050	103	70	130			
Zinc	0.04993	mg/L	0.010	95	70	130			
Sample ID: H07060320-004C	Sample Matrix Spike Duplicate			Run: SUB-B96383			07/13/07 05:21		
Antimony	0.05203	mg/L	0.0050	104	70	130	0.8	20	
Arsenic	0.05373	mg/L	0.0050	107	70	130	0.9	20	
Cadmium	0.04928	mg/L	0.0010	99	70	130	0.5	20	
Copper	0.04963	mg/L	0.010	96	70	130	1.0	20	
Lead	0.05103	mg/L	0.010	102	70	130	0.2	20	
Mercury	0.001016	mg/L	0.0010	102	70	130	1.4	20	
Nickel	0.05623	mg/L	0.010	99	70	130	3.3	20	
Selenium	0.05573	mg/L	0.0050	105	70	130	0.1	20	
Silver	0.01400	mg/L	0.0050	70	70	130	18	20	
Thallium	0.05129	mg/L	0.0050	103	70	130	0.8	20	
Zinc	0.05077	mg/L	0.010	97	70	130	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/24/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E351.2							Analytical Run: SUB-B96384		
Sample ID: ICV	Initial Calibration Verification Standard								07/12/07 14:41
Nitrogen, Kjeldahl, Total as N	6.77	mg/L	0.50	96	90	110			
Method: E351.2							Batch: B_R96384		
Sample ID: MBLK	Method Blank				Run: SUB-B96384		07/12/07 14:42		
Nitrogen, Kjeldahl, Total as N	0.06	mg/L	0.03						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-B96384		07/12/07 14:42		
Nitrogen, Kjeldahl, Total as N	5.00	mg/L	0.50	99	90	110			
Sample ID: B07070156-003BMS	Sample Matrix Spike				Run: SUB-B96384		07/12/07 14:56		
Nitrogen, Kjeldahl, Total as N	5.62	mg/L	0.50	109	90	110			
Sample ID: B07070156-003BMSD	Sample Matrix Spike Duplicate				Run: SUB-B96384		07/12/07 14:57		
Nitrogen, Kjeldahl, Total as N	5.62	mg/L	0.50	109	90	110	0.1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/24/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2							Analytical Run: NUTRIENTS_070709B		
Sample ID: ICV-1	Initial Calibration Verification Standard								07/09/07 09:59
Nitrogen, Nitrate+Nitrite as N	1.00	mg/L	0.050	100	90	110			
Sample ID: CCV-23	Continuing Calibration Verification Standard								07/09/07 10:43
Nitrogen, Nitrate+Nitrite as N	0.100	mg/L	0.050	100	90	110			
Sample ID: CCV-38	Continuing Calibration Verification Standard								07/09/07 11:13
Nitrogen, Nitrate+Nitrite as N	0.520	mg/L	0.050	104	90	110			
Sample ID: CCV-119	Continuing Calibration Verification Standard								07/09/07 13:55
Nitrogen, Nitrate+Nitrite as N	0.100	mg/L	0.050	100	90	110			
Method: E353.2							Batch: A2007-07-09_5_NO3_01		
Sample ID: LCS-2	Laboratory Control Sample				Run: NUTRIENTS_070709B		07/09/07 10:01		
Nitrogen, Nitrate+Nitrite as N	25.3	mg/L	0.24	95	90	110			
Sample ID: LFB-3	Laboratory Fortified Blank				Run: NUTRIENTS_070709B		07/09/07 10:03		
Nitrogen, Nitrate+Nitrite as N	0.510	mg/L	0.050	102	90	110			
Sample ID: MBLK-6	Method Blank				Run: NUTRIENTS_070709B		07/09/07 10:09		
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.010						
Sample ID: H07060320-001BDUP	Sample Duplicate				Run: NUTRIENTS_070709B		07/09/07 10:57		
Nitrogen, Nitrate+Nitrite as N	1.91	mg/L	0.050				1.1	20	
Sample ID: H07060320-005BMS	Sample Matrix Spike				Run: NUTRIENTS_070709B		07/09/07 11:07		
Nitrogen, Nitrate+Nitrite as N	1.20	mg/L	0.050	99	90	110			
Sample ID: H07060320-005BMSD	Sample Matrix Spike Duplicate				Run: NUTRIENTS_070709B		07/09/07 11:09		
Nitrogen, Nitrate+Nitrite as N	1.24	mg/L	0.050	103	90	110	3.3	20	
Sample ID: H07060326-002ADUP	Sample Duplicate				Run: NUTRIENTS_070709B		07/09/07 11:27		
Nitrogen, Nitrate+Nitrite as N	7.51	mg/L	0.095				2.4	20	
Sample ID: H07070040-001BMS	Sample Matrix Spike				Run: NUTRIENTS_070709B		07/09/07 13:45		
Nitrogen, Nitrate+Nitrite as N	1.26	mg/L	0.050	100	90	110			
Sample ID: H07070040-001BMSD	Sample Matrix Spike Duplicate				Run: NUTRIENTS_070709B		07/09/07 13:47		
Nitrogen, Nitrate+Nitrite as N	1.27	mg/L	0.050	101	90	110	0.8	20	
Sample ID: H07070057-001ADUP	Sample Duplicate				Run: NUTRIENTS_070709B		07/09/07 14:05		
Nitrogen, Nitrate+Nitrite as N	6.64	mg/L	0.095				1.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mr. M Landfill

Report Date: 07/24/07

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E365.1							Analytical Run: FIA202-HE_070706B		
Sample ID: ICV	Initial Calibration Verification Standard								07/06/07 15:13
Phosphorus, Total as P	0.273	mg/L	0.010	109	90	110			
Sample ID: CCV	Continuing Calibration Verification Standard								07/06/07 15:34
Phosphorus, Total as P	0.267	mg/L	0.010	107	90	110			
Method: E365.1							Batch: R38406		
Sample ID: LCS	Laboratory Control Sample				Run: FIA202-HE_070706B				07/06/07 15:14
Phosphorus, Total as P	6.21	mg/L	0.022	101	90	110			
Sample ID: LFB	Laboratory Fortified Blank				Run: FIA202-HE_070706B				07/06/07 15:15
Phosphorus, Total as P	0.262	mg/L	0.010	105	90	110			
Sample ID: MBLK	Method Blank				Run: FIA202-HE_070706B				07/06/07 15:17
Phosphorus, Total as P	ND	mg/L	0.0009						
Sample ID: H07060319-010BMS	Sample Matrix Spike				Run: FIA202-HE_070706B				07/06/07 15:31
Phosphorus, Total as P	0.229	mg/L	0.010	104	90	110			
Sample ID: H07060319-010BMSD	Sample Matrix Spike Duplicate				Run: FIA202-HE_070706B				07/06/07 15:32
Phosphorus, Total as P	0.235	mg/L	0.010	108	90	110	2.8	20	
Sample ID: H07060329-002ADUP	Sample Duplicate				Run: FIA202-HE_070706B				07/06/07 15:40
Phosphorus, Total as P	3.73	mg/L	0.010				2.4	20	
Method: E410.4							Batch: R38478		
Sample ID: MB-R38478	Method Blank				Run: SPECTRO_070711A				07/11/07 08:40
Oxygen Demand, Chemical (COD)	0.4	mg/L							
Sample ID: LCS-R38478	Laboratory Control Sample				Run: SPECTRO_070711A				07/11/07 08:40
Oxygen Demand, Chemical (COD)	320	mg/L	1.0	105	90	110			
Sample ID: H07060320-010BMS	Sample Matrix Spike				Run: SPECTRO_070711A				07/11/07 08:40
Oxygen Demand, Chemical (COD)	24	mg/L	1.0	94	80	120			
Sample ID: H07060320-010BMSD	Sample Matrix Spike Duplicate				Run: SPECTRO_070711A				07/11/07 08:40
Oxygen Demand, Chemical (COD)	25	mg/L	1.0	99	80	120	5.7	30	
Sample ID: H07060320-009BDUP	Sample Duplicate				Run: SPECTRO_070711A				07/11/07 08:40
Oxygen Demand, Chemical (COD)	1.4	mg/L	1.0				0.0	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mr. M Landfill

Report Date: 07/24/07
Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E420.2							Analytical Run: SUB-B95986		
Sample ID: ICV-2	Initial Calibration Verification Standard								07/03/07 10:23
Phenolics, Total Recoverable	0.160	mg/L	0.010	107	90	110			
Method: E420.2							Batch: B_A2007-07-03_4_PHN_01		
Sample ID: LFB-1	Laboratory Fortified Blank								07/03/07 10:21
Phenolics, Total Recoverable	0.0948	mg/L	0.010	92	90	110			
Sample ID: MBLK-4	Method Blank								07/03/07 10:28
Phenolics, Total Recoverable	ND	mg/L	0.010						
Sample ID: B07070173-001CMS	Sample Matrix Spike								07/03/07 15:53
Phenolics, Total Recoverable	0.139	mg/L	0.010	102	80	120			
Sample ID: B07070173-001CMSD	Sample Matrix Spike Duplicate								07/03/07 15:58
Phenolics, Total Recoverable	0.136	mg/L	0.010	99	80	120	2.1	10	
Method: H8021							Batch: 070629A-CL-RES-W-HACH		
Sample ID: H07060320-010GDUP	Sample Duplicate								06/29/07 12:36
Chlorine, Total Residual	ND	mg/L	0.10				0.0	20	
Method: Kelada mod							Analytical Run: SUB-B96047		
Sample ID: ICV-1	Initial Calibration Verification Standard								07/05/07 11:12
Cyanide, Total	0.151	mg/L	0.0050	101	90	110			
Method: Kelada mod							Batch: B_A2007-07-05_4_CN_01		
Sample ID: LFB-4	Laboratory Fortified Blank								07/05/07 11:18
Cyanide, Total	0.0964	mg/L	0.0050	96	90	110			
Sample ID: MBLK-5	Method Blank								07/05/07 11:20
Cyanide, Total	ND	mg/L	0.001						
Sample ID: B07070099-002EMS	Sample Matrix Spike								07/05/07 11:27
Cyanide, Total	0.0961	mg/L	0.0050	96	90	110			
Sample ID: B07070099-002EMSD	Sample Matrix Spike Duplicate								07/05/07 11:29
Cyanide, Total	0.0993	mg/L	0.0050	99	90	110			
Sample ID: B07070173-001BMS	Sample Matrix Spike								07/05/07 11:57
Cyanide, Total	0.0970	mg/L	0.0050	97	90	110			
Sample ID: B07070173-001BMSD	Sample Matrix Spike Duplicate								07/05/07 11:58
Cyanide, Total	0.0950	mg/L	0.0050	95	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Report Date: 07/06/07

Project: Mr. M Landfill

Work Order: H07060320

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R38291
Sample ID: MBLK062907A	Method Blank		Run: 1SATURN_070629B				06/29/07 10:23		
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	110	70	130			
Surr: Dibromofluoromethane			1.0	91	70	130			
Surr: p-Bromofluorobenzene			1.0	102	70	130			
Surr: Toluene-d8			1.0	98	70	130			
Sample ID: H07060295-001EMS									06/29/07 18:16
Sample Matrix Spike		Run: 1SATURN_070629B							
Acetone	91.2	ug/L	40	91	70	130			
Acrylonitrile	103	ug/L	40	103	70	130			
Benzene	9.04	ug/L	2.0	90	70	130			
Bromochloromethane	10.2	ug/L	2.0	102	70	130			
Bromodichloromethane	9.28	ug/L	2.0	93	70	130			
Bromoform	8.96	ug/L	2.0	90	70	130			
Bromomethane	10.9	ug/L	2.0	109	70	130			
Carbon disulfide	9.76	ug/L	2.0	98	70	130			
Carbon tetrachloride	9.76	ug/L	2.0	98	70	130			
Chlorobenzene	9.20	ug/L	2.0	92	70	130			
Chlorodibromomethane	10.9	ug/L	2.0	109	70	130			
Chloroethane	8.88	ug/L	2.0	89	70	130			
Chloroform	9.36	ug/L	2.0	94	70	130			
Chloromethane	9.12	ug/L	2.0	91	70	130			
1,2-Dibromo-3-chloropropane	9.12	ug/L	2.0	91	70	130			
1,2-Dibromoethane	13.0	ug/L	2.0	130	70	130			
Dibromomethane	9.52	ug/L	2.0	95	70	130			
1,2-Dichlorobenzene	8.88	ug/L	2.0	89	70	130			
1,4-Dichlorobenzene	9.12	ug/L	2.0	91	70	130			
trans-1,4-Dichloro-2-butene	9.84	ug/L	2.0	98	70	130			
Dichlorodifluoromethane	8.32	ug/L	2.0	83	70	130			
1,1-Dichloroethane	9.60	ug/L	2.0	96	70	130			
1,2-Dichloroethane	9.68	ug/L	2.0	97	70	130			
1,1-Dichloroethene	8.56	ug/L	2.0	86	70	130			
cis-1,2-Dichloroethene	9.60	ug/L	2.0	96	70	130			
trans-1,2-Dichloroethene	9.36	ug/L	2.0	94	70	130			
1,2-Dichloropropane	10.5	ug/L	2.0	105	70	130			
cis-1,3-Dichloropropene	8.96	ug/L	2.0	90	70	130			
trans-1,3-Dichloropropene	10.1	ug/L	2.0	101	70	130			
Ethylbenzene	8.88	ug/L	2.0	89	70	130			
2-Hexanone	104	ug/L	40	104	70	130			
Iodomethane	7.99	ug/L	2.0	80	70	130			
Methyl ethyl ketone	94.4	ug/L	40	94	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Chain of Custody and Analytical Request Record

Page 1 of 2

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: <u>Terra Tech MDEQ/Solid Waste Program</u>			Project Name, PWS #, Permit #, Etc.: <u>Mr. M. Landfill</u>										
Report Mail Address: <u>Box 200901</u> <u>Helena, MT 59620-0901</u>			Contact Name, Phone, Fax, E-mail: <u>Mary Hendrickson</u> <u>406-444-1808</u> FAX <u>444-1304</u>					Sampler Name if other than Contact: <u>Shane Matolyak</u>					
Invoice Address: <u>Same as above</u>			Invoice Contact & Phone #: <u>Same as above</u>					Purchase Order #:		ELI Quote #:			
Report Required For: POTW/WWTP ☐ DW ☐ Other _____ Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____			Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other ↓ 10:00 ↓ 14 6 5 14 2	ANALYSIS REQUESTED						Notify ELI prior to RUSH sample submittal for additional charges and scheduling		Shipped by: <u>UPS NDA</u> Cooler ID(s) _____	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)				Collection Date	Collection Time	MATRIX	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments: <u>Direct bill to MDEQ</u> <u>c/o Mary Hendrickson</u> <u>Solid waste program</u>		Receipt Temp <u>1.0</u> °C Custody Seal <u>Y</u> <u>N</u> Intact <u>Y</u> <u>N</u> Signature Match <u>Y</u> <u>N</u> Lab ID _____	
1	MW-5	6-27-07		14:00	H2O(6)		X					LABORATORY USE ONLY #107060720.001	
2	MW-6	6-27-07		16:00								002	
3	MW-9W 1	6-28-07		4:30	10:00							003	
4	MW-7/2	6-28-07		11:30								004	
5	MW-10	6-28-07		12:20								005	
6	Sed. Pond	6-28-07		12:50	14							006	
7	MW-1	6-28-07		14:10	6							008	
8	MW-HW	6-28-07		15:00	5					Cyanide sample being shipped under separate COC for sample MW-HW		009	
9	Private well	6-28-07		15:45	14							010	
10	MW-FB	6-28-07	15:15	2							011		
Custody Record MUST be Signed	Relinquished by (print): <u>Shane Matolyak</u>		Date/Time: <u>6-28-07 17:09</u>		Signature: <u>Shane Matolyak</u>		Received by (print): <u>Kokanne T. Williams</u>		Date/Time: <u>6-29-07 10:00</u>		Signature: <u>R. J. Williams</u>		
	Relinquished by (print):		Date/Time:		Signature:		Received by (print):		Date/Time:		Signature:		
	Sample Disposal:		Return to client:		Lab Disposal:		Sample Type:		LABORATORY USE ONLY # of fractions				

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, & links.

BILLINGS, MT
1120 South 27th (59101)
PO Box 30916 (59107)

Toll Free 800.735.4489
Voice 406.252.6325
Fax 406.252.6069

CASPER, WY
2393 Salt Creek Highway (82601)
PO Box 3258 (82602)

Toll Free 888.235.0515
Voice 307.235.0515
Fax 307.234.1639

COLLEGE STATION, TX
415 Graham Road (77845)

Toll Free 888.690.2218
Voice 979.690.2217
Fax 979.690.2045

GILLETTE, WY
1105 West First Street (82716)

Toll Free 866.686.7175
Voice 307.686.7175
Fax 307.682.4625

HELENA, MT
3161 E Lyndale Ave (59601)
PO Box 5688 (59604)

Toll Free 877.472.0711
Voice 406.442.0711
Fax 406.442.0712

RAPID CITY, SD
2821 Plant Street (57702)

Toll Free 888.672.1225
Voice 605.342.1225
Fax 605.342.1397

1. Please complete the Chain of Custody with as much detailed information as possible. This information is required so that the appropriate analytical services, reporting and invoicing can be provided for your project.

2. If services other than standard are required for your analytical project, contact ELI *PRIOR* to sample submittal. Additional charges will be applied for the following services: RUSH TAT, NELAC, A2LA, or Level IV reporting, EDD/EDT, etc.

3. ELI provides quotes for project specific sampling requirements that may include, but are not limited to, non-standard reporting limits, odd matrices, RUSH TAT and specific method requests. It is very important to provide the ELI quote number to assure that you receive the quoted pricing for your project.

4. Basic Aqueous Sampling Instructions: Analytical services include preserved and unpreserved sample bottles, preservatives, and shipping containers at no additional cost. In certain cases, additional charges will be made for special sampling containers (i.e. Tedlar or equivalent bags, 3M or equivalent passive monitors). Preservatives are contained in small vials with color-coded caps and labels that correspond to the table below.

Preservative	Cap Color	Label Color
Hydrochloric Acid	Blue	Blue
Nitric Acid	Red	Fluorescent Red
Non-Preserved (raw)	None	White w/Red Print
Phosphoric Acid	White	White w/Black Print
Sodium Hydroxide	Green	Fluorescent Green w/ Black Print
Sulfuric Acid	Yellow	Fluorescent Yellow
Zinc Acetate	Purple	Fluorescent Green w/ Black Print



Chain of Custody and Analytical Request Record

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Page ____ of ____

Company Name: ABC Corporation		Project Name, PWS #, Permit #, Etc.: Rockport Reclamation Project	
Report Mail Address: 1234 Main St. Anywhere, MT 59101		Contact Name, Phone, Fax, E-mail: John Smith 605-444-1234 anyone@email.com	
Invoice Address: P.O. Box 222 City, ST 11111		Invoice Contact & Phone #: Jane Doe 406-555-1212	
Report Required For: POTWWTP ☐ DW ☐ Other _____		Purchase Order #: A98765	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____		ELI Quote #: HO1-172	
Number of Containers: Soil ☐ VBO ☐ Air ☐ Water ☐ Solids ☐ Vegetation ☐ Bios assay ☐ Other _____		Notify ELI prior to RUSH sample submittal for additional charges and scheduling	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Comments: Spoke to Joe RE: Rush TAT	
Collection Date	Collection Time	Shipped by: Cooler ID(s)	
08/01/01	13:10	Receipt Temp °C	
08/02/01	09:47	Custody Seal Y N Intact Y N Signature Y N Match Y N Lab ID	
MATRIX		SEE ATTACHED	
1 MW-1	3-W	Normal Turnaround (TAT)	
2 Soil From Pad	1-S	RUSH Turnaround (TAT)	
3			
4			
5			
6			
7			
8			
9			
10			
Custody Record MUST be Signed		LABORATORY USE ONLY	
Relinquished by (print): John Smith		Received by (print): Mary Cook	
Date/Time: 08/09/04 14:15		Date/Time: 08/09/04 14:15	
Signature: John Smith		Signature: Mary Cook	
Relinquished by (print):		Received by (print):	
Date/Time:		Date/Time:	
Signature:		Signature:	
Sample Disposal: Return to client: _____		Sample Type: _____	
Lab Disposal: _____		# of fractions: _____	

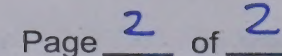
In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Fill container with sample and empty contents of preservative vial into container or as instructed. If sample containers are pre-preserved, DO NOT FLUSH or RINSE PRESERVATIVE. Secure lid and invert slowly to mix.

If you are uncertain of the preservative or preparation required for your sampling project, please contact an ELI representative for instructions.

Proper cooling for specific sample matrices is required. ELI provides resealable bags for crushed ice to be packed around the sample(s). Blue ice or equivalent does not maintain the required 4°C temperature. Samples should be securely packed in the shipping containers provided.

5. Sample Disposal: ELI, when applicable, will dispose of all non-hazardous samples. Routinely, hazardous samples will be returned to client. If requested, ELI will dispose of hazardous samples at client's expense.



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BILLINGS, MT Toll Free 800.735.4489 CASPER, WY Toll Free 888.235.0515 COLLEGE STATION, TX Toll Free 888.690.2218
 1120 South 27th (59101) Voice 406.252.6325 2393 Salt Creek Highway (82601) Voice 307.235.0515 415 Graham Road (77845) Voice 979.690.2217
 PO Box 30916 (59107) Fax 406.252.6069 PO Box 3258 (82602) Fax 307.234.1639 Fax 979.690.2045
 GILLETTE, WY Toll Free 866.686.7175 HELENA, MT Toll Free 877.472.0711 RAPID CITY, SD Toll Free 888.672.1225
 1105 West First Street (82716) Voice 307.686.7175 3161 E Lyndale Ave (59601) Voice 406.442.0711 2821 Plant Street (57702) Voice 605.342.1225
 Fax 307.682.4625 PO Box 5688 (59604) Fax 406.442.0712 Fax 605.342.1397

- Please complete the Chain of Custody with as much detailed information as possible. This information is required so that the appropriate analytical services, reporting and invoicing can be provided for your project.
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Preservative	Cap Color	Label Color
Hydrochloric Acid	Blue	Blue
Nitric Acid	Red	Fluorescent Red
Non-Preserved (raw)	None	White w/Red Print
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Sodium Hydroxide	Green	Fluorescent Green w/ Black Print
Sulfuric Acid	Yellow	Fluorescent Yellow
Zinc Acetate	Purple	Fluorescent Green w/ Black Print

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side. Page ____ of ____

Company Name: ABC Corporation		Project Name, PWS #, Permit #, Etc.: Rockport Reclamation Project	
Report Mail Address: 1234 Main St. Anywhere, MT 59101		Contact Name, Phone, Fax, E-mail: John Smith 605-444-1234 anyone@email.com	Sampler Name if other than Contact: SAME
Invoice Address: P.O. Box 222 City ST 11111		Invoice Contact & Phone #: Jane Doe 406-555-1212	Purchase Order #: A98765 ELI Quote #: HQ1-172
Report Required For: POTW/WWTP ☐ DW ☐ Other _____		ANALYSIS REQUESTED	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____		Notify ELI prior to RUSH sample submittal for additional charges and scheduling Comments: Spoke to Joe RE: Rush TAT	
Shipped by: _____ Cooler ID(s) _____ Receipt Temp _____ °C Custody Seal Y N Intact Y N Signature Y N Match _____ Lab ID _____		SEE ATTACHED Normal Turnaround (TAT) RUSH Turnaround (TAT)	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time
1 MW-1		08/01/01	13:10
2 Soil From Pad		08/02/01	09:47
3			
4			
5			
6			
7			
8			
9			
10			
Relinquished by (print): John Smith		Date/Time: 08/09/04 14:15	Signature: John Smith
Relinquished by (print): Mary Cook		Date/Time: 08/09/04 14:15	Signature: Mary Cook
Sample Disposal: Return to client		Lab Disposal:	Sample Type: _____ # of fractions

Custody Record MUST be Signed

Fill container with sample and empty contents of preservative vial into container or as instructed. If sample containers are pre-preserved, DO NOT FLUSH or RINSE PRESERVATIVE. Secure lid and invert slowly to mix.

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Analyses for Water Samples

	Table 1 Pages 1 through 3	Table 2
	X	
MW-HW *	X	
✓ MW-0W1	X	
MW-1	X	
✓ MW-5	X	
✓ MW-6	X	
✓ MW-7/2	X	
MW-9	X	
MW-10	X	
Sed. Pond	X	X
Private Well	X	X

MW-FB
Trip Blank

X
X

MW-HW - cyanide sample to be
sent separately

TABLE 1.
GROUNDWATER DETECTION MONITORING PARAMETER LIST
SANITARY LANDFILL

1 of 3

Parameter	Method ⁽¹⁾	MDL ⁽²⁾ (mg/l)	PQL ⁽³⁾ (mg/l)	Category ⁽⁶⁾	State ⁽⁵⁾	Federal ⁽⁸⁾
Chloride	9250	0.2	1	2	x	
Nitrate (as N)	353.2 ^a	0.005	0.01	3	x	
Sulfate (SO ₄)	9036	1.8	5	2	x	
Chemical Oxygen Demand (COD)	410.2 ^a	2.5	5	3	x	
Specific Conductivity	9050	5.1	10	0	x	
pH	9040	—	—	0	x	
Cyanide	9010	0.002	0.005	4	x	
Antimony	7041	0.005	0.01	1	x	x
Arsenic	7061	0.001	0.005	1	x	x
Beryllium	7091	0.001	0.002	1	x	x
Barium	6010	0.03	0.02	1	x	x
Cadmium	7131	0.0002	0.0005	1	x	x
Chromium	7191	0.001	0.002	1	x	x
Cobalt	7201	0.004	0.005	1	x	x
Copper	7211	0.0003	0.001	1	x	x
Iron	6010	0.008	0.05	1	x	
Lead	7421	0.001	0.002	1	x	x
Mercury	7470	0.0002	0.0002	1	x	
Nickel	6010	0.02	0.05	1	x	x
Selenium	7741	0.001	0.005	1	x	x
Silver	7761	0.0001	0.0002	1	x	x
Thallium	7841	0.006	0.01	1	x	x
Vanadium	6010	0.04	0.05	1	x	x
Zinc	6010	0.008	0.02	1	x	x

TABLE 1 (continued)
GROUNDWATER DETECTION MONITORING PARAMETER LIST
[REDACTED] SANITARY LANDFILL

Mr. M

2 of 3

Parameter	Method ^m	MDL ^a (µg/l)	PQL ^a (µg/l)	Category ⁿ	State ⁿ	Federal ⁿ
Acetone	8260	6.3	40	5	x	x
Acrylonitrile	8260	7.2	20	5	x	x
Benzene	8260	0.46	2	5	x	x
Bromochloromethane	8260	0.21	1	5	x	x
Bromodichloromethane	8260	0.16	1	5	x	x
cis-1,3-Dichloropropene	8260	0.26	1	5	x	x
trans-1,3-Dichloropropene	8260	0.23	1	5	x	x
Ethylbenzene	8260	0.15	1	5	x	x
Bromoform	8260	0.30	1	5	x	x
Bromomethane	8260	0.47	2	5	x	x
2-Butanone	8260	6.4	50	5	x	x
Carbon Disulfide	8260	2.8	100	5	x	x
Carbon Tetrachloride	8260	0.37	2	5	x	x
Chlorobenzene	8260	0.22	1	5	x	x
Chlorodibromomethane	8260	0.19	1	5	x	x
Chloroethane	8260	0.26	1	5	x	x
Chloroform	8260	0.20	1	5	x	x
Chloromethane	8260	0.34	1	5	x	x
1,2-Dibromo-3-chloropropane	8260	2.6	15	5	x	x
Dibromomethane	8260	0.40	2	5	x	x
1,2-Dibromoethane	8260	0.23	1	5	x	x
trans-1,4-Dichloro-2-butene	8260	0.66	5	5	x	x
1,2-Dichlorobenzene	8260	0.15	1	5	x	x
1,4-Dichlorobenzene	8260	0.14	1	5	x	x
Dichlorodifluoromethane	8260	0.33	1	5	x	x
1,1-Dichloroethane	8260	0.21	1	5	x	x
1,1-Dichloroethene	8260	0.26	1	5	x	x
cis-1,2-Dichloroethene	8260	0.15	1	5	x	x
trans-1,2-Dichloroethene	8260	0.26	1	5	x	x
1,2-Dichloroethane	8260	0.30	2	5	x	x

TABLE 1 (continued)
GROUNDWATER DETECTION MONITORING PARAMETER LIST
SANITARY LANDFILL

3 of 3

Parameter	Method ^m	MDL ^a (µg/l)	PQL ^a (µg/l)	Category ^a	State ^a	Federal ^a
1,2-Dichloropropane	8260	0.20	1	5	x	x
2-Hexanone	8260	5.20	10	5	x	x
Iodomethane	8260	1.8	10	5	x	x
Methylene Chloride	8260	1.0	5	5	x	x
4-Methyl-2-pentanone	8260	4.4	10	5	x	x
Styrene	8260	0.19	1	5	x	x
1,1,1,2-Tetrachloroethane	8260	0.21	1	5	x	x
1,1,2,2-Tetrachloroethane	8260	0.34	1	5	x	x
Tetrachloroethene	8260	0.16	1	5	x	x
Toluene	8260	0.24	1	5	x	x
1,1,1-Trichloroethane	8260	0.16	1	5	x	x
1,1,2-Trichloroethane	8260	0.69	1	5	x	x
Trichloroethene	8260	0.17	1	5	x	x
Trichlorofluoromethane	8260	0.09	1	5	x	x
1,2,3-Trichloropropane	8260	0.17	1	5	x	x
Vinyl acetate	8260	2.30	10	5	x	x
Vinyl Chloride	8260	0.27	1	5	x	x
Xylenes	8260	0.51	1	5	x	x

- (1) "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," SW-846, third edition, November 1986, as revised December, 1987, unless otherwise noted.
- (2) MDL = "Method Detection Limit" as defined in 40 CFR Part 136.
- (3) PQL = "Practical Quantitation Limit" as defined in 40 CFR Part 258.
- (4) Parameter category as listed in Table 3.
- (5) State required parameters per ARM 16.14.706, November, 1993.
- (6) Federally required parameters per 40 CFR 258, Subtitle D, Appendix I, October 9, 1991.
- (7) EPA Manual 600/4-79-020 "Methods for Chemical Analysis of Water and Waste.
- Note: Dissolved metals will be analyzed per ARM 16.14.706(9).

Table 2. Additional analyses for samples "Sed. Pond" and "Private Well".

Parameter	Reporting Limit (mg/L)	Method
Total Suspended Solids	10	E160.2
Total Dissolved Solids	10	E 160.1/A 2540 C
Biochemical Oxygen Demand	1	E405.1/A 5210 B
Total Organic Carbon	0.1	E415/A 5310 C
E. coli	1	A 9222 B
Oil and Grease	0.1	E413.2
Total Residual Chlorine	0.1	E330.5 mod
Total Phosphorus as P	0.01	E365.1
Alkalinity , total as CaCO ₃	1	E310.1/A 2320B
Hardness, total as CaCO ₃	1	A 2340 B
Total Phenolic Compounds	0.01	E420.2
Total Kjeldahl Nitrogen	0.5	A 4500 N org
NO ₂ + NO ₃	0.05	E353.2

Energy Laboratories Inc

Workorder Receipt Checklist



H07060320

MT DEQ

Login completed by: Roxanne L. Tubbs

Date and Time Received: 6/29/2007 10:00 AM

Reviewed by: *Deb Sullivan*

Received by: rlt

Reviewed Date: 7/2/07

Carrier name: UPS NDA

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☒	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	1.0°C
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☒	Not Applicable ☐

Contact and Corrective Action Comments:

Sample Sed Pond, Private Well & MW-FB analyze as 524 rather than 8260 per Mark Pearson. E-coli analysis is quanti-try per Mary Hendrickson. Sulfuric acid added to nutrient samples MW-5 & MW-6 in laboratory. 6/29/07 rt



Montana Department of
ENVIRONMENTAL QUALITY

#302
MAILED
9-4-07 fh

Brian Schweitzer, Governor

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

September 4, 2007

Ms. Josie Richards
86099 Highway 87
Lewistown, MT 59457

RE: TRANSMITTAL OF JUNE, 2007 SAMPLING RESULTS

Dear Ms. Richards:

Enclosed are the June 2007 analytical results for the sample collected from the sedimentation pond at the Mister M Landfill as well as the results of the sample collected from your private well. Based on a review of these results, it appears that the sedimentation pond has had little, if any, impact to your well. It is difficult to draw a more concrete conclusion without having an idea of the construction of your private well. If you do, by chance, find the well drilling and completion logs, I would be more than happy to take a look at them to see if it would support a different conclusion. I have included a comparison table for your reference to drinking water standards, as well as the guidelines for stock water and irrigation water.

If you have any questions, please do not hesitate to contact me by phone at 406-444-1808, by fax at 406-444-1374, or by email at mhendrickson@mt.gov.

Sincerely,

Mary Louise Hendrickson
Environmental Science Specialist
Solid Waste Regulatory Program
Phone: 406-444-1808; Fax: 406-444-1374
Email: mhendrickson@mt.gov

File: closed/Fergus Co/Mister M/Groundwater Monitoring
Path: G:\WUTSWS\GWater\Responses\Fergus Co\Richards-0607rsalts.doc

LABORATORY ANALYTICAL REPORT

Comparison of Results to Primary/Secondary Drinking Water Standards (U.S. EPA) and USDA/NRCS Stockwater and Irrigation Water guidelines

Constituent	Private Well Sample	Sed. Pond	Drinking Water	Stock Water	Irrigation Water
Calcium (Ca)	55 mg/L	37 mg/L	---	---	---
Magnesium (Mg)	53 mg/L	26 mg/L	---	2,000 mg/L	---
Iron (Fe)	0.14 mg/L	0.07 mg/L	0.3 mg/L [smcl]	---	---
Chloride (Cl)	5 mg/L	18 mg/L	250 mg/L [smcl]	1,500 mg/L	---
Sulfate (SO4)	47 mg/L	26 mg/L	250 mg/L [smcl]	1,500 mg/L	[b]
Nitrate (NO3 as N)	<0.01 mg/L	<0.01 mg/L	10 mg/L [mcl]	100 mg/L	---
Antimony (Sb)	<0.01 mg/L	<0.01 mg/L	6 ug/L [mcl]	---	---
Arsenic (As)	<0.005 mg/L	<0.005 mg/L	10 ug/L [mcl]	50 ug/L	100 ug/L
Barium (Ba)	0.07 mg/L	0.10 mg/L	2,000 ug/L [mcl]	---	---
Cadmium (Cd)	<0.0005 mg/L	<0.0005 mg/L	5 ug/L [mcl]	10 ug/L	5 ug/L
Chromium (Cr)	<0.002 mg/L	<0.002 mg/L	100 ug/L [mcl]	1,000 ug/L	100 ug/L
Cobalt (Co)	<0.005 mg/L	<0.005 mg/L	---	1,000 ug/L	50 ug/L
Copper (Cu)	<0.001 mg/L	0.001 mg/L	1,300 ug/L [mcl]	500 ug/L	200 ug/L
Lead (Pb)	<0.002 mg/L	<0.002 mg/L	15 ug/L [mcl]	50 ug/L	5,000 ug/L
Nickel (Ni)	<0.01 mg/L	<0.01 mg/L	---	---	200 ug/L
Selenium (Se)	<0.005 mg/L	<0.005 mg/L	50 ug/L [mcl]	50 ug/L	20 ug/L
Silver (Ag)	<0.0002 mg/L	<0.0002 mg/L	100 ug/L [smcl]	---	---
Zinc (Zn)	<0.01 mg/L	<0.01 mg/L	5,000 ug/L [smcl]	24,000 ug/L	2,000 ug/L

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-010
Client Sample ID: Private Well

Report Date: 07/24/07
Collection Date: 06/28/07 15:45
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MICROBIOLOGICAL							
Bacteria, E-Coli Coliform	<1	mpn/100ml		1.0		A9223 B	06/29/07 16:00 / abb
Bacteria, Total Coliform	<1	mpn/100ml		1.0		A9223 B	06/29/07 16:00 / abb
PHYSICAL PROPERTIES							
pH	7.9	s.u.		0.1		A4500-H B	07/03/07 08:40 / sld
Conductivity	645	umhos/cm		1		A2510 B	06/29/07 16:11 / kjw
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	07/03/07 14:23 / kjw
Solids, Total Dissolved TDS @ 180 C	362	mg/L		10		A2540 C	07/03/07 14:29 / kjw
INORGANICS							
Chlorine, Total Residual	ND	mg/L		0.1		H8021	06/29/07 12:36 / sld
Cyanide, Total	ND	mg/L		0.005		Kelada mod	07/05/07 11:51 / eli-b
Sulfate	47	mg/L		1		A4500-SO4 E	07/06/07 11:01 / abb
Alkalinity, Total as CaCO3	340	mg/L		1		A2320 B	07/05/07 10:18 / kjw
Chloride	5	mg/L		1		A4500-Cl C	07/05/07 10:45 / sld
Hardness as CaCO3	358	mg/L		1		A2340 B	07/16/07 07:59 / wij
AGGREGATE ORGANICS							
Organic Carbon, Total (TOC)	ND	mg/L		0.5		A5310 C	07/03/07 20:39 / eli-c
Oxygen Demand, Biochemical (BOD)	<2	mg/L		1		A5210 B	06/29/07 15:00 / sld
Oxygen Demand, Chemical (COD)	ND	mg/L		1		E410.4	07/11/07 08:40 / sld
Phenolics, Total Recoverable	0	mg/L	J	0.01		E420.2	07/03/07 16:05 / eli-b
NUTRIENTS							
Nitrogen, Kjeldahl, Total as N	ND	mg/L		0.5		E351.2	07/12/07 15:00 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	07/09/07 11:23 / sld
Phosphorus, Total as P	ND	mg/L		0.01		E365.1	07/06/07 15:37 / sld
METALS, DISSOLVED							
Antimony	ND	mg/L		0.01		E200.7	07/05/07 14:25 / eli-b
Arsenic	ND	mg/L		0.005		E200.8	07/13/07 06:07 / eli-b
Barium	0.07	mg/L		0.02		E200.7	07/05/07 14:25 / eli-b
Beryllium	ND	mg/L		0.001		E200.7	07/05/07 14:25 / eli-b
Cadmium	ND	mg/L		0.0005		E200.8	07/13/07 06:07 / eli-b
Calcium	55	mg/L		1		E200.7	07/05/07 14:25 / eli-b
Chromium	ND	mg/L		0.002		E200.7	07/05/07 14:25 / eli-b
Cobalt	ND	mg/L		0.005		E200.7	07/05/07 14:25 / eli-b
Copper	ND	mg/L		0.001		E200.8	07/13/07 06:07 / eli-b
Iron	0.14	mg/L		0.03		E200.7	07/05/07 14:25 / eli-b
Lead	ND	mg/L		0.002		E200.8	07/13/07 06:07 / eli-b
Magnesium	53	mg/L		1		E200.7	07/05/07 14:25 / eli-b

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-010
Client Sample ID: Private Well

Report Date: 07/24/07
Collection Date: 06/28/07 15:45
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Mercury	ND	mg/L		0.0002		E200.8	07/13/07 06:07 / eli-b
Nickel	ND	mg/L		0.01		E200.7	07/05/07 14:25 / eli-b
Selenium	ND	mg/L		0.005		E200.8	07/13/07 06:07 / eli-b
Silver	ND	mg/L		0.0002		E200.8	07/13/07 06:07 / eli-b
Thallium	ND	mg/L		0.01		E200.8	07/13/07 06:07 / eli-b
Vanadium	ND	mg/L		0.05		E200.7	07/05/07 14:25 / eli-b
Zinc	ND	mg/L		0.01		E200.7	07/05/07 14:25 / eli-b
OIL & GREASE, GRAVIMETRIC							
Oil & Grease (HEM)	ND	mg/L		1.0		E1664A	07/11/07 16:05 / eli-g

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-010
Client Sample ID: Private Well

Report Date: 07/06/07
Collection Date: 06/28/07 15:45
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		0.50	5	E524.2	07/02/07 19:21 / jdh
Bromobenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Bromochloromethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Bromodichloromethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Bromoform	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Bromomethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
n-Butylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
sec-Butylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
tert-Butylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Carbon tetrachloride	ND	ug/L		0.50	5	E524.2	07/02/07 19:21 / jdh
1,2-Dichloroethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Chlorobenzene	ND	ug/L		0.50	100	E524.2	07/02/07 19:21 / jdh
Chlorodibromomethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Chloroethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Chloroform	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Chloromethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
2-Chlorotoluene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
4-Chlorotoluene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0	0.2	E524.2	07/02/07 19:21 / jdh
Dibromomethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,2-Dichlorobenzene	ND	ug/L		0.50	600	E524.2	07/02/07 19:21 / jdh
1,3-Dichlorobenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,4-Dichlorobenzene	ND	ug/L		0.50	75	E524.2	07/02/07 19:21 / jdh
Dichlorodifluoromethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,1-Dichloroethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,2-Dibromoethane	ND	ug/L		0.50	0.05	E524.2	07/02/07 19:21 / jdh
1,1-Dichloroethene	ND	ug/L		0.50	7	E524.2	07/02/07 19:21 / jdh
cis-1,2-Dichloroethene	ND	ug/L		0.50	70	E524.2	07/02/07 19:21 / jdh
trans-1,2-Dichloroethene	ND	ug/L		0.50	100	E524.2	07/02/07 19:21 / jdh
1,2-Dichloropropane	ND	ug/L		0.50	5	E524.2	07/02/07 19:21 / jdh
1,3-Dichloropropane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
2,2-Dichloropropane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,1-Dichloropropene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
cis-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
trans-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Ethylbenzene	ND	ug/L		0.50	700	E524.2	07/02/07 19:21 / jdh
Hexachlorobutadiene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Isopropylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
p-Isopropyltoluene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Methyl tert-butyl ether (MTBE)	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Methylene chloride	ND	ug/L		0.50	5	E524.2	07/02/07 19:21 / jdh
Naphthalene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-010
Client Sample ID: Private Well

Report Date: 07/06/07
Collection Date: 06/28/07 15:45
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
n-Propylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Styrene	ND	ug/L		0.50	100	E524.2	07/02/07 19:21 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Tetrachloroethene	ND	ug/L		0.50	5	E524.2	07/02/07 19:21 / jdh
Toluene	ND	ug/L		0.50	1000	E524.2	07/02/07 19:21 / jdh
1,2,3-Trichlorobenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,2,4-Trichlorobenzene	ND	ug/L		0.50	70	E524.2	07/02/07 19:21 / jdh
1,1,1-Trichloroethane	ND	ug/L		0.50	200	E524.2	07/02/07 19:21 / jdh
1,1,2-Trichloroethane	ND	ug/L		0.50	5	E524.2	07/02/07 19:21 / jdh
Trichloroethene	ND	ug/L		0.50	5	E524.2	07/02/07 19:21 / jdh
Trichlorofluoromethane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,2,3-Trichloropropane	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,2,4-Trimethylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
1,3,5-Trimethylbenzene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Vinyl chloride	ND	ug/L		0.50	2	E524.2	07/02/07 19:21 / jdh
m+p-Xylenes	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
o-Xylene	ND	ug/L		0.50		E524.2	07/02/07 19:21 / jdh
Trihalomethanes, Total	ND	ug/L		0.50	80	E524.2	07/02/07 19:21 / jdh
Xylenes, Total	ND	ug/L		0.50	10000	E524.2	07/02/07 19:21 / jdh
Surr: p-Bromofluorobenzene	105	%REC			70-130	E524.2	07/02/07 19:21 / jdh
Surr: 1,2-Dichloroethane-d4	115	%REC			70-130	E524.2	07/02/07 19:21 / jdh
Surr: Toluene-d8	100	%REC			70-130	E524.2	07/02/07 19:21 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-006
Client Sample ID: Sed. Pond

Report Date: 07/24/07
Collection Date: 06/28/07 12:50
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MICROBIOLOGICAL							
Bacteria, E-Coli Coliform	4.1	mpn/100ml		1.0		A9223 B	06/29/07 16:00 / abb
Bacteria, Total Coliform	>2419.6	mpn/100ml		1.0		A9223 B	06/29/07 16:00 / abb
PHYSICAL PROPERTIES							
pH	8.3	s.u.		0.1		A4500-H B	07/03/07 08:37 / sld
Conductivity	479	umhos/cm		1		A2510 B	06/29/07 16:08 / kjw
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	07/03/07 14:23 / kjw
Solids, Total Dissolved TDS @ 180 C	276	mg/L		10		A2540 C	07/03/07 14:29 / kjw
INORGANICS							
Chlorine, Total Residual	ND	mg/L		0.1		H8021	06/29/07 12:36 / sld
Cyanide, Total	ND	mg/L		0.005		Kelada mod	07/05/07 11:42 / eli-b
Sulfate	26	mg/L		1		A4500-SO4 E	07/06/07 11:00 / abb
Alkalinity, Total as CaCO3	220	mg/L		1		A2320 B	07/05/07 10:05 / kjw
Chloride	18	mg/L		1		A4500-Cl C	07/05/07 10:33 / sld
Hardness as CaCO3	199	mg/L		1		A2340 B	07/16/07 07:59 / wjj
AGGREGATE ORGANICS							
Organic Carbon, Total (TOC)	8.1	mg/L		0.5		A5310 C	07/03/07 20:29 / eli-b
Oxygen Demand, Biochemical (BOD)	<2	mg/L		1		A5210 B	06/29/07 15:00 / sld
Oxygen Demand, Chemical (COD)	26	mg/L		1		E410.4	07/11/07 08:40 / sld
Phenolics, Total Recoverable	0	mg/L	J	0.01		E420.2	07/03/07 16:02 / eli-b
NUTRIENTS							
Nitrogen, Kjeldahl, Total as N	0.7	mg/L		0.5		E351.2	07/12/07 14:59 / eli-b
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	07/09/07 11:17 / sld
Phosphorus, Total as P	0.02	mg/L		0.01		E365.1	07/06/07 15:36 / sld
METALS, DISSOLVED							
Antimony	ND	mg/L		0.01		E200.7	07/05/07 14:08 / eli-b
Arsenic	ND	mg/L		0.005		E200.8	07/13/07 05:44 / eli-b
Barium	0.10	mg/L		0.02		E200.7	07/05/07 14:08 / eli-b
Beryllium	ND	mg/L		0.001		E200.7	07/05/07 14:08 / eli-b
Cadmium	ND	mg/L		0.0005		E200.8	07/13/07 05:44 / eli-b
Calcium	37	mg/L		1		E200.7	07/05/07 14:08 / eli-b
Chromium	ND	mg/L		0.002		E200.7	07/05/07 14:08 / eli-b
Cobalt	ND	mg/L		0.005		E200.7	07/05/07 14:08 / eli-b
Copper	0.001	mg/L		0.001		E200.8	07/13/07 05:44 / eli-b
Iron	0.07	mg/L		0.03		E200.7	07/05/07 14:08 / eli-b
Lead	ND	mg/L		0.002		E200.8	07/13/07 05:44 / eli-b
Magnesium	26	mg/L		1		E200.7	07/05/07 14:08 / eli-b

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-006
Client Sample ID: Sed. Pond

Report Date: 07/24/07
Collection Date: 06/28/07 12:50
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Mercury	ND	mg/L		0.0002		E200.8	07/13/07 05:44 / eli-b
Nickel	ND	mg/L		0.01		E200.7	07/05/07 14:08 / eli-b
Selenium	ND	mg/L		0.005		E200.8	07/13/07 05:44 / eli-b
Silver	ND	mg/L		0.0002		E200.8	07/13/07 05:44 / eli-b
Thallium	ND	mg/L		0.01		E200.8	07/13/07 05:44 / eli-b
Vanadium	ND	mg/L		0.05		E200.7	07/05/07 14:08 / eli-b
Zinc	ND	mg/L		0.01		E200.7	07/05/07 14:08 / eli-b
OIL & GREASE, GRAVIMETRIC							
Oil & Grease (HEM)	ND	mg/L		1.0		E1664A	07/11/07 16:04 / eli-g

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-006
Client Sample ID: Sed. Pond

Report Date: 07/06/07
Collection Date: 06/28/07 12:50
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Benzene	ND	ug/L		0.50	5	E524.2	07/02/07 18:52 / jdh
Bromobenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Bromochloromethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Bromodichloromethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Bromoform	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Bromomethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
n-Butylbenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
sec-Butylbenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
tert-Butylbenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Carbon tetrachloride	ND	ug/L		0.50	5	E524.2	07/02/07 18:52 / jdh
1,2-Dichloroethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Chlorobenzene	ND	ug/L		0.50	100	E524.2	07/02/07 18:52 / jdh
Chlorodibromomethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Chloroethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Chloroform	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Chloromethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
2-Chlorotoluene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
4-Chlorotoluene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0	0.2	E524.2	07/02/07 18:52 / jdh
Dibromomethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,2-Dichlorobenzene	ND	ug/L		0.50	600	E524.2	07/02/07 18:52 / jdh
1,3-Dichlorobenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,4-Dichlorobenzene	ND	ug/L		0.50	75	E524.2	07/02/07 18:52 / jdh
Dichlorodifluoromethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,1-Dichloroethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,2-Dibromoethane	ND	ug/L		0.50	0.05	E524.2	07/02/07 18:52 / jdh
1,1-Dichloroethene	ND	ug/L		0.50	7	E524.2	07/02/07 18:52 / jdh
cis-1,2-Dichloroethene	ND	ug/L		0.50	70	E524.2	07/02/07 18:52 / jdh
trans-1,2-Dichloroethene	ND	ug/L		0.50	100	E524.2	07/02/07 18:52 / jdh
1,2-Dichloropropane	ND	ug/L		0.50	5	E524.2	07/02/07 18:52 / jdh
1,3-Dichloropropane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
2,2-Dichloropropane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,1-Dichloropropene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
cis-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
trans-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Ethylbenzene	ND	ug/L		0.50	700	E524.2	07/02/07 18:52 / jdh
Hexachlorobutadiene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Isopropylbenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
p-Isopropyltoluene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Methyl tert-butyl ether (MTBE)	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Methylene chloride	ND	ug/L		0.50	5	E524.2	07/02/07 18:52 / jdh
Naphthalene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mr. M Landfill
Lab ID: H07060320-006
Client Sample ID: Sed. Pond

Report Date: 07/06/07
Collection Date: 06/28/07 12:50
Date Received: 06/29/07
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
n-Propylbenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Styrene	ND	ug/L		0.50	100	E524.2	07/02/07 18:52 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Tetrachloroethene	ND	ug/L		0.50	5	E524.2	07/02/07 18:52 / jdh
Toluene	ND	ug/L		0.50	1000	E524.2	07/02/07 18:52 / jdh
1,2,3-Trichlorobenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,2,4-Trichlorobenzene	ND	ug/L		0.50	70	E524.2	07/02/07 18:52 / jdh
1,1,1-Trichloroethane	ND	ug/L		0.50	200	E524.2	07/02/07 18:52 / jdh
1,1,2-Trichloroethane	ND	ug/L		0.50	5	E524.2	07/02/07 18:52 / jdh
Trichloroethene	ND	ug/L		0.50	5	E524.2	07/02/07 18:52 / jdh
Trichlorofluoromethane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,2,3-Trichloropropane	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,2,4-Trimethylbenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
1,3,5-Trimethylbenzene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Vinyl chloride	ND	ug/L		0.50	2	E524.2	07/02/07 18:52 / jdh
m+p-Xylenes	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
o-Xylene	ND	ug/L		0.50		E524.2	07/02/07 18:52 / jdh
Trihalomethanes, Total	ND	ug/L		0.50	80	E524.2	07/02/07 18:52 / jdh
Xylenes, Total	ND	ug/L		0.50	10000	E524.2	07/02/07 18:52 / jdh
Surr: p-Bromofluorobenzene	102	%REC			70-130	E524.2	07/02/07 18:52 / jdh
Surr: 1,2-Dichloroethane-d4	113	%REC			70-130	E524.2	07/02/07 18:52 / jdh
Surr: Toluene-d8	100	%REC			70-130	E524.2	07/02/07 18:52 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Correspondence Slip

Project ID: _____

Requested: 8-31-07

Needed By: 8-31-07

Originator: mech

Org(s)/Mail Code: _____

REVIEW
ROUTING

Name

Task

Initial/Date

Admin

Proof

Darrell

dh, 8-31

Rich

dh, 8/31

Ed

KL, 9-4-2007

JA, 9/4/07

Mail original via:

☒ Regular ☐ Certified ☐ Registered ☐ FedEx

Fax to addressee at

Proof Path: G:\WUT\

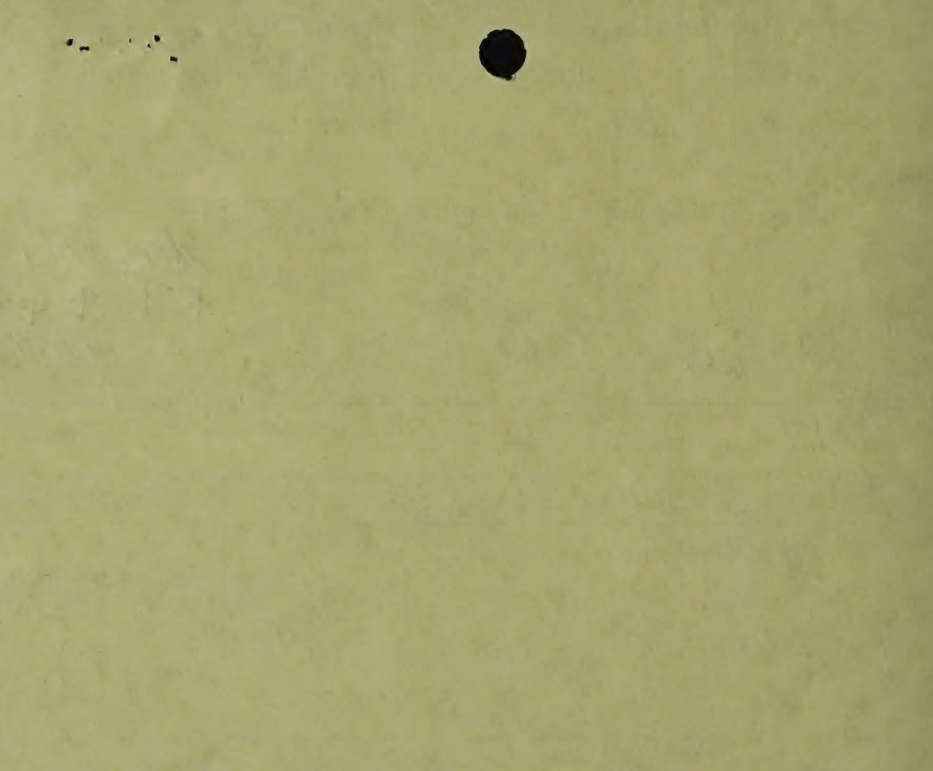
see letter

Mail copy of enclosures
to CC's? ☒ Y ☐ N

Special Instructions:

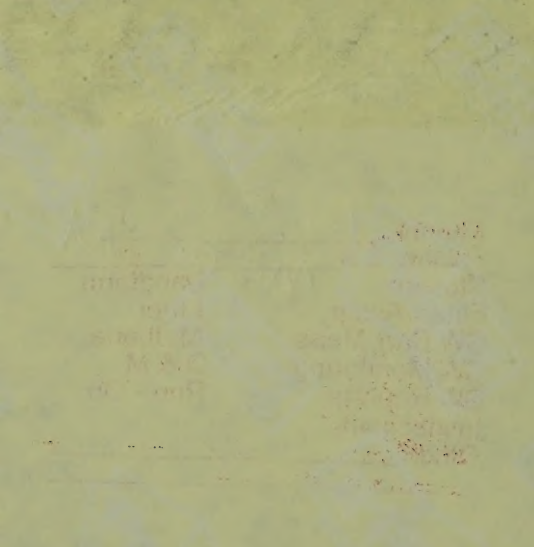
Copies of enclosures
for file needed? ☒ Y ☐ N

Copy of letter for file
needed? ☒ Y ☐ N



Closed

County Texas
Facility & # Mistee M
Closure Landfarm
Finan Assur Liner
GW Corr Meas Methane
GW Monitoring O & M
GW Reports Run - On
Inspections
Other: _____





Tetra Tech, Inc.
303 Irene St.
Helena, MT 59601
(406) 443-5210

RECEIVED⁸¹

JUL 30 2007

copy

Bill To: MONTANA DEPT OF ENV QUALITY
ATTN: MARY HENDRICKSON
P O BOX 200901
HELENA, MT 59620-0901

Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

INVOICE NUMBER: 50092907
INVOICE DATE: 07/20/2007
SERVICES RENDERED THROUGH: 07/20/2007
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

PROFESSIONAL SERVICES:

Project Number		1156561159	GW SAMPLING MR M LANDFILL		
Top Task		300	MR M 2007 GW & METHANE MONITORING		
DATE	EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
06-18-2007	Matolyak, Shane Allen	Environmental Scientist I	1.00	\$60.00	\$60.00
06-19-2007	Matolyak, Shane Allen	Environmental Scientist I	2.25	\$60.00	\$135.00
06-21-2007	Matolyak, Shane Allen	Environmental Scientist I	1.00	\$60.00	\$60.00
06-25-2007	Matolyak, Shane Allen	Environmental Scientist I	1.50	\$60.00	\$90.00
06-27-2007	Matolyak, Shane Allen	Environmental Scientist I	10.25	\$60.00	\$615.00
06-28-2007	Matolyak, Shane Allen	Environmental Scientist I	12.75	\$60.00	\$765.00
07-02-2007	Matolyak, Shane Allen	Environmental Scientist I	0.75	\$60.00	\$45.00
07-03-2007	Matolyak, Shane Allen	Environmental Scientist I	0.50	\$60.00	\$30.00
06-18-2007	Pearson, Mark Fowler	Geologist III	0.75	\$70.00	\$52.50
06-25-2007	Pearson, Mark Fowler	Geologist III	0.25	\$70.00	\$17.50
06-26-2007	Pearson, Mark Fowler	Geologist III	2.50	\$70.00	\$175.00
06-27-2007	Pearson, Mark Fowler	Geologist III	10.00	\$70.00	\$700.00
06-28-2007	Pearson, Mark Fowler	Geologist III	13.00	\$70.00	\$910.00
06-30-2007	Pearson, Mark Fowler	Geologist III	0.75	\$70.00	\$52.50
06-18-2007	Cronin, Christopher	PROJECT MANAGER	1.75	\$90.00	\$157.50
06-19-2007	Cronin, Christopher	PROJECT MANAGER	4.50	\$90.00	\$405.00
06-22-2007	Cronin, Christopher	PROJECT MANAGER	1.00	\$90.00	\$90.00
TOTAL LABOR			64.50		\$4,360.00

DATE	OTHER DIRECT CHARGES	TYPE	CURRENT QUANTITY	UNIT RATE	CURRENT AMOUNT
06-27-2007	Matolyak, Shane Allen	Field Equipment Consumable			\$3.87
06-28-2007	Matolyak, Shane Allen	Field Equipment Consumable			\$10.32
06-26-2007	Matolyak, Shane Allen	Field Equipment Consumable			\$10.56
06-28-2007	Matolyak, Shane Allen	Per Diem			\$15.00
07-07-2007	UNITED PARCEL SERVICE INC	Postage/Shipping			\$16.44
06-27-2007	Pearson, Mark Fowler	Per Diem			\$23.00
06-27-2007	Matolyak, Shane Allen	Per Diem			\$23.00
06-28-2007	Pearson, Mark Fowler	Per Diem			\$30.00
06-28-2007	Pearson, Mark Fowler	Lodging			\$63.44
06-28-2007	Matolyak, Shane Allen	Lodging			\$63.44
06-29-2007	THOMPSONS RENTAL SHOP	Field Equipment-Rental			\$96.00
06-26-2007	TSD TECHNICAL SPECIALISTS INC	Field Equipment-Rental			\$108.68
07-12-2007	Mileage	Special Usage	365.00	\$0.55	\$200.75
06-19-2007	TSD TECHNICAL SPECIALISTS INC	Field Supplies			\$219.53
06-28-2007	Matolyak, Shane Allen	Postage/Shipping			\$322.85
TOTAL OTHER DIRECT COSTS					\$1,206.88
Subtotal Task# 300					\$5,566.88



Tetra Tech, Inc.
 303 Irene St.
 Helena, MT 59601
 (406) 443-5210

Bill To: MONTANA DEPT OF ENV QUALITY
 ATTN: MARY HENDRICKSON
 P O BOX 200901
 HELENA, MT 59620-0901

INVOICE NUMBER: 50092907
 INVOICE DATE: 07/20/2007
 SERVICES RENDERED THROUGH: 07/20/2007
 FEDERAL TAX ID#: 95-4148514
 TERMS: NET 30

Total Project# 1156561159 \$5,566.88

TOTAL AMOUNT DUE THIS INVOICE: **\$5,566.88**

REMIT PAYMENT TO:

Tetra Tech, Inc.
 DEPT 1622
 DENVER, CO 80291-1622

To ensure accurate posting, please note the invoice number on your check. Interest will be charged on all past-due amounts per contract terms and conditions.



INVOICE

Invoice Date: July 24, 2007

Invoice No: 270760250

BILL TO: MT DEQ

Attn: Mary Hendrickson
PO Box 200901
Helena, MT 59620

Purchase Order SPB05-894PB

Account Number M1022

TERMS: NET 30 Days

Interest charged after 30 days 1.5% per month.

VISA/MasterCard payments accepted

Project Name: Mr. M Landfill

Page 1

Item	Remarks	Matrix	List Price	Mult	Price	Qty	Test Total
WorkOrder: H07060320							
Metals by ICP/ICPMS, Dissolved		Aqueous	\$305.00	1	\$180.00	9	\$1,620.00
Alkalinity		Aqueous	\$10.00	1	\$10.00	2	\$20.00
Bacteria, Total and E-Coli Coliforms		Aqueous	\$35.00	1	\$35.00	2	\$70.00
Biochemical Oxygen Demand, 5 Day		Aqueous	\$40.00	1	\$40.00	2	\$80.00
Chlorine, Residual		Aqueous	\$25.00	1	\$25.00	2	\$50.00
Chloride		Aqueous	\$10.00	1	\$10.00	9	\$90.00
Cyanide, Total Manual Distillation		Aqueous	\$30.00	1	\$30.00	8	\$240.00
Chemical Oxygen Demand		Aqueous	\$25.00	1	\$25.00	9	\$225.00
Conductivity		Aqueous	\$10.00	1	\$10.00	9	\$90.00
Carbon, Total Organic		Aqueous	\$25.00	1	\$25.00	2	\$50.00
Oil & Grease, Gravimetric		Aqueous	\$75.00	1	\$75.00	2	\$150.00
Nitrogen, Nitrate + Nitrite		Aqueous	\$15.00	1	\$15.00	9	\$135.00
Nitrogen, Total Kjeldahl		Aqueous	\$25.00	1	\$25.00	2	\$50.00
Phenolics, Total		Aqueous	\$20.00	1	\$20.00	2	\$40.00
pH		Aqueous	\$10.00	1	\$10.00	9	\$90.00
Phosphorus, Total		Aqueous	\$15.00	1	\$15.00	2	\$30.00
Solids, Total Dissolved		Aqueous	\$10.00	1	\$10.00	2	\$20.00
Solids, Total Suspended		Aqueous	\$10.00	1	\$10.00	2	\$20.00
Sulfate		Aqueous	\$10.00	1	\$10.00	9	\$90.00
524-Purgeable Organics, SDWA		Drinking Water	\$130.00	1	\$130.00	3	\$390.00
8260-Volatile Organic Comp, 40 CFR Part 25		Aqueous	\$220.00	1	\$220.00	7	\$1,540.00

INVOICE Total: \$5,090.00

Amount Received: \$0.00

AMOUNT DUE: \$5,090.00

Please detach and return this section with your payment. Thank you



REMIT TO: Energy Laboratories Inc
Accounts Receivable
PO Box 30975
Billings, MT 59107-0975

Account Number: M1022
Invoice Number: 270760250
Invoice Date: 07/24/07
Purchase Order: SPB05-894PB
Invoice Total: \$5,090.00
Amount Received: \$0.00
Amount Due: \$5,090.00

M1022 270760250 000509000 0271270349



INVOICE

Invoice Date: July 10, 2007

Invoice No: 270760090

BILL TO: MT DEQ

Attn: Mary Hendrickson
PO Box 200901
Helena, MT 59620

Purchase Order SPB05-894PB

Account Number M1022

TERMS: NET 30 Days

Interest charged after 30 days 1.5% per month.

VISA/MasterCard payments accepted

Project Name: Mr. M. Landfill

Page 1

Item	Remarks	Matrix	List Price	Mult	Price	Qty	Test Total
------	---------	--------	------------	------	-------	-----	------------

WorkOrder: H07070029

Cyanide, Total Manual Distillation		Aqueous	\$30.00	1	\$30.00	1	\$30.00
Total Cyanide Digestion		Aqueous	\$0.00	1	\$0.00	1	\$0.00

Miscellaneous Charge Summary

WorkOrder: H07070029

UPS ARS Ground	\$8.25	1	\$8.25
----------------	--------	---	--------

Subtotal: \$30.00

Misc Charges: \$8.25

INVOICE Total: \$38.25

Amount Received: \$0.00

AMOUNT DUE: \$38.25

RECEIVED

JUL 30 2007

Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

Please detach and return this section with your payment. Thank you



REMIT TO: Energy Laboratories Inc
Accounts Receivable
PO Box 30975
Billings, MT 59107-0975

Account Number: M1022
Invoice Number: 270760090
Invoice Date: 07/10/07
Purchase Order: SPB05-894PB
Invoice Total: \$38.25
Amount Received: \$0.00
Amount Due: \$38.25

M1022 270760090 000003825 0270765014



TETRA TECH, INC.

November 21, 2006

Ms. Mary Louise Hendrickson
Solid Waste Regulatory Program
Waste Management Division
Montana Department of Environmental Quality
P.O. Box 200901
Helena, Montana 59620-0901

**RE: November 2006 Groundwater Monitoring Field Notes
Mister M Landfill, Lewistown, Montana**

Dear Ms. Hendrickson:

Enclosed please find field notes for groundwater sampling performed by Tetra Tech personnel at the Mister M landfill on November 9 and 10, 2006. Work was completed in accordance with Maxim's cost estimate revised October 31, 2006. Samples were delivered to Energy Laboratories in Helena, Montana on November 14, 2005. We understand the lab will submit the analytical reports directly to you.

Also attached is an aerial photograph of the site compiled by Scott Vosen of our Great Falls office to assist sampling efforts at the site. The base photo is from GoogleEarth and he added the approximate well locations based on field reconnaissance.

Please call Chris Cronin of Tetra Tech at 443-5210 if you have any questions about this sampling event. I am working to get you our total invoicing by the end of the month.

Thanks again for the opportunity to provide environmental services to your agency. Please let us know if we can be of any further assistance.

Kind Regards,

Chris Cronin
Project Manager

Enclosures

RECEIVED

NOV 22 2006

Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau



TETRA TECH, INC.

CLIENT

MDEQ

DATE

11-9-06

JOB TITLE

Mc. M Landfill - Lewistown

JOB NUMBER

6561157.200

SUBJECT

Groundwater Monitoring

BY

Scott Vosen
Chris Grotbo

SHEET

1 of 2

Partly cloudy breeze, ~40°F. Clouds increasing throughout day Temp at ~15.00

Scott Vosen and Chris Grotbo on site at 10:15 am. Unlabeled gate and drove to the residence at the SE corner of the site. Located the supply well casing; theirs is a hydrant-style spigot very near to the well, and it is in working condition (got water from it). Began locating wells. A neighbor (from the salvage yard south of the highway across from the site) came over to see who we were. Told him what we're up to. He was just keeping an eye on the place for "Maurin" (Mr. M). Finished locating wells. All are stickups. Some located from a distance. Began monitoring wells for DTW. Will collect all DTW readings first, then begin monitoring. Followed the order below: Calibrated LEL/O₂ meter against 50% LEL (methane) and Nitrogen.

Well	LEL / O ₂	DTW ^{Below TN}	Comments	Samples
MW-5	—	86.19	No well cap/play. Poor producer	SS B *
MW-5M	0 / 20.9	56.08	Well plug loose (not air tight).	none
MW-6M	0 / 20.5	49.96	Well seal slightly loose (south)	SS none
MW-6	0 / 20.5	16.5	Well cap - snug, original color (north)	SS B none
MW-3	—	31.62	Well seal slightly loose	none
MW-10	—	22.59	No cap/play. "Dry" (DTW = 22.7)	B none *
MW-7/2	—	Dry (~20')	Well cap - not too snug.	B none
MW-4	—	20.01	Cap was off (has hole in it). 4" well. Mud on probe. Can't replace cap (PVC too snug to protector side + top)	none
MW-11M	0 / 20.2	91.42	Well plug loose.	none
MW-11	—	6.65	4" well. Cap on ground (broken)	none
MW-OW1	—	38.72	No cap. Excellent producer	SS B *
MW-OW2	—	41.20	Well seal loose	none
MW-1	—	14.98	Well cap - okay. Poor producer. Recovers, but not well.	B *
MW-8	0 / 20.9	17.15	No well cap/play 4" well.	none
MW-HW	—	—	Permanent well still wired in	P *

Most wells have brass locks on caps (inside protector). We don't have keys for these locks. Decontaminated down-hole equipment w/ liguerine scrub and DI water.

Broke for lunch at 12:00. Drove to town to get fuel for generator. Back on site at 12:30. Resumed monitoring. Labeled all seals/caps w/ well IDs (labeled lids if no caps). Had problems accessing some wells. Forgot to locate MW-11M earlier - had to search for it. Also, forgot MW-4 - had to look for it as well.

Completed LEL/O₂ + DTW monitoring. Set up at MW-5 to sample. Calibrated field instruments, started generator, set up granitite pump. Resorted to hand boring. Verified IRIS stabilized, sampled well cleaned up off site at 17:35

(S = leachate); B = Bore; P = permanent pump



TETRA TECH, INC.

CLIENT

MOETZ

DATE 11-10-06

JOB TITLE

Mr. M. Landfill - Lewistown

JOB NUMBER

65611591.200

SUBJECT

Ground Water Monitoring

BY

Scott Vosen
Dian Garbo

SHEET

2 of 2

Weather: clear, calm, ~20°F

On site at 07:05. Set up at MW-001 to sample (GW). With gauges not functioning properly, we'll have to use bailers again today. Unlike MW-5, MW-001 has a lot of water in it: 63 gallons per volume. We'll monitor IBTs as we go, make a reasonable effort to get as much water out as possible, and see how quickly IBTs stabilize. Used bound 4 2" bailers together (21 gallon combined capacity) with duct tape. Calibrated meters.

Purged ~125 gallons (> 2 casing volumes) of bailers. IBTs stabilized, water cleared up. Feel confident we got well into formation water. First 40 gallons were pretty stagnant. Collected samples. Cleared up. Moved to MW-10.

Lowered a bailer into MW-10. Not enough water in the well to recover w/ a bailer. No samples collected. Moved to MW-1.

MW-1 is a poor producer. Couldn't get more than 2 gal. Had to let it recover to get sufficient sample water. Meter cleared up. Moved to House well. Noticed that the well is powered from a meter at the house east of the landfill residence. Also noticed two hydrant spigots adjacent to the east wall of the landfill house, but neither is serviceable.

Purged ~240 gal through the spigots, ensuring IBTs stabilize. Collected samples. Cleared up. Off site at 12:45. Locked gate.

GROUNDWATER SAMPLING LOG

Project: McC. M. Landfill Date: 11-9-06 Time: 1700 Station No. MW-5

Narrative Description: _____

Personnel: W & C Weather: Mostly overcast, breezy, ~35°F

Well Locked? Yes ☒ No ☐ Well Log? Yes ☐ No ☐

Condition of Well: Skat inspector okay, No well cap/plug

Casing Type: 2" PVC Casing Diameter: _____

Casing Stickup: X Steel, ~2-2 1/2 ft. Measuring Point Description: Black Mark, top PVC

Aquifer: _____

Well Depth (feet below measuring point): 105.68 Depth to Water: 86.14 = 19.44 ft water

WELL EVACUATION

Method: Spigot ☐ Hand-Lift Pump ☐ Submersible Pump ☐ SST Bailer ☐ Disp. Polyethylene Bailer ☒ Other: SC

19.44 ft. water x 0.163 gal./ft. = one casing volume 3.18 gals. x 3 = purge volume 9.5 gals.

* 2" well = 0.163 gal./ft. 4" well = 0.653 gal./ft. 6" well = 1.469 gal./ft. 8" well = 2.611 gal./ft. Well C feet in diameter = 5.875 x C²

Remarks: _____

EVACUATION DATA

Time	Cumulative Gallons	Temp	pH	SC	DQ	ORP	Other
16:05	1st Bailer	6.8	7.52	790			
16:20	2 gal	7.3	7.55	860			
16:35	5 gal	7.2	7.52	950			
16:45	6 gal	7.4	7.50	980			

WELL SAMPLING

Sampling Method: Spigot ☐ Hand-Lift Pump ☐ Submersible Pump ☐ SST Bailer ☐ Disp. Polyethylene Bailer ☒ Other: _____

Sample Type: Natural ☒ Duplicate ☐ X-Contam ☐ Trip Blank ☐ Bottle Blank ☐

Temperature (°C): _____ pH (s.u.): _____ SC (µS): _____ ORP (MV): _____ DO (mg/l): _____ Other: _____

Sample Container	Parameters	Preservative
250 ml Poly	Diss Metals by ICP/ICPMS	HNO ₃ Filtered
250 ml Poly	CoD, Nitrogen, Nitrate + Nitrite	H ₂ SO ₄
40 ml vial clear	8260 Vol	HCl
500 ml Poly	Cyanide, Total Manual Dist.	N.O.H
500 ml Poly	Sulfate, Chloride, pH, Cond.	Ram

Laboratory: Energy - Helena Chain-of-Custody: Yes ☒ No ☐

Meter	Serial No.	Calibration Date	Decontamination
pH	GF Oyster Stick	11-9-06	Steam: Yes ☐ No ☒
SC	GF Oyster Stick	NA	Scrub: Yes ☒ No ☐
ORP			Methanol: Yes ☐ No ☒
DO			Nitric Acid: Yes ☒ No ☐

Comments: Moderately/very turbid, red orange/brown throughout. No odor or steam.

ANALYTICAL SUMMARY REPORT

November 27, 2006

MT DEQ
PO Box 200901
Helena, MT 59620

Workorder No.: H06110112

Project Name: Mister M Landfill Inc

Energy Laboratories Inc received the following 5 samples from MT DEQ on 11/14/2006 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
H06110112-001	MW-5	11/09/06 17:00	11/14/06	Aqueous	Metals by ICP/ICPMS, Dissolved Chloride Cyanide, Total Manual Distillation Total Cyanide Digestion Chemical Oxygen Demand Conductivity Nitrogen, Nitrate + Nitrite pH Sulfate 8260-Volatile Organic Comp, 40 CFR Part 258 App I
H06110112-002	MW-OW1	11/10/06 10:40	11/14/06	Aqueous	Same As Above
H06110112-003	MW-1	11/10/06 11:35	11/14/06	Aqueous	Same As Above
H06110112-004	MW-HW	11/10/06 12:25	11/14/06	Aqueous	Same As Above
H06110112-005	Trip Blank TB102506(jm)(b)11	11/09/06 17:00	11/14/06	Trip Blank	8260-Volatile Organic Comp, 40 CFR Part 258 App I

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-r - Energy Laboratories, Inc. - Rapid City, SD, EPA# SD00012
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

SUBCONTRACTING ANALYSIS

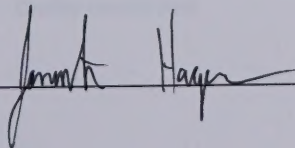
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES, INC. will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories are indicated within the Laboratory Analytical Report.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

ELI appreciates the opportunity to provide you with this analytical service. For additional information, including certifications, and analytical services visit our web page www.energylab.com.

Report Approved By: _____



LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mister M Landfill Inc
Lab ID: H06110112-001
Client Sample ID: MW-5

Report Date: 11/27/06
Collection Date: 11/09/06 17:00
Date Received: 11/14/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.6	s.u.		0.1		E150.1	11/15/06 08:32 / sld
Conductivity	969	umhos/cm		1		A2510 B	11/15/06 10:50 / abb
INORGANICS							
Sulfate	43	mg/L		1		A4500-SO4 E	11/20/06 15:10 / abb
Chloride	5	mg/L		1		A4500-Cl B	11/16/06 14:18 / sld
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	11/15/06 15:34 / eli-b
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	4	mg/L		1		E410.4	11/22/06 14:45 / sld
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	2.66	mg/L		0.02		E353.2	11/17/06 10:53 / sld
METALS, DISSOLVED							
Antimony	ND	mg/L		0.01		E200.8	11/15/06 20:31 / eli-b
Arsenic	ND	mg/L		0.005		E200.8	11/15/06 20:31 / eli-b
Barium	0.11	mg/L		0.02		E200.8	11/15/06 20:31 / eli-b
Beryllium	ND	mg/L		0.001		E200.8	11/15/06 20:31 / eli-b
Cadmium	ND	mg/L		0.0005		E200.8	11/15/06 20:31 / eli-b
Chromium	ND	mg/L		0.002		E200.8	11/15/06 20:31 / eli-b
Cobalt	ND	mg/L		0.005		E200.8	11/15/06 20:31 / eli-b
Copper	ND	mg/L		0.001		E200.8	11/15/06 20:31 / eli-b
Iron	ND	mg/L		0.03		E200.7	11/16/06 17:26 / eli-b
Lead	ND	mg/L		0.002		E200.8	11/15/06 20:31 / eli-b
Mercury	ND	mg/L		0.0002		E200.8	11/15/06 20:31 / eli-b
Nickel	ND	mg/L		0.01		E200.8	11/15/06 20:31 / eli-b
Selenium	0.184	mg/L		0.005		E200.8	11/15/06 20:31 / eli-b
Silver	ND	mg/L		0.0002		E200.8	11/18/06 00:05 / eli-b
Thallium	ND	mg/L		0.01		E200.8	11/15/06 20:31 / eli-b
Vanadium	ND	mg/L		0.05		E200.8	11/15/06 20:31 / eli-b
Zinc	ND	mg/L		0.01		E200.8	11/15/06 20:31 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mister M Landfill Inc
Lab ID: H06110112-002
Client Sample ID: MW-OW1

Report Date: 11/27/06
Collection Date: 11/10/06 10:40
Date Received: 11/14/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.7	s.u.		0.1		E150.1	11/15/06 08:33 / sld
Conductivity	718	umhos/cm		1		A2510 B	11/15/06 10:51 / abb
INORGANICS							
Sulfate	27	mg/L		1		A4500-SO4 E	11/20/06 15:10 / abb
Chloride	22	mg/L		1		A4500-Cl B	11/16/06 14:20 / sld
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	11/15/06 15:35 / eli-b
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	4	mg/L		1		E410.4	11/22/06 14:45 / sld
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.05	mg/L		0.01		E353.2	11/17/06 10:55 / sld
METALS, DISSOLVED							
Antimony	ND	mg/L		0.01		E200.8	11/15/06 20:38 / eli-b
Arsenic	ND	mg/L		0.005		E200.8	11/15/06 20:38 / eli-b
Barium	0.08	mg/L		0.02		E200.8	11/15/06 20:38 / eli-b
Beryllium	ND	mg/L		0.001		E200.8	11/15/06 20:38 / eli-b
Cadmium	ND	mg/L		0.0005		E200.8	11/15/06 20:38 / eli-b
Chromium	ND	mg/L		0.002		E200.8	11/15/06 20:38 / eli-b
Cobalt	ND	mg/L		0.005		E200.8	11/15/06 20:38 / eli-b
Copper	ND	mg/L		0.001		E200.8	11/15/06 20:38 / eli-b
Iron	0.31	mg/L		0.03		E200.7	11/16/06 17:37 / eli-b
Lead	ND	mg/L		0.002		E200.8	11/15/06 20:38 / eli-b
Mercury	ND	mg/L		0.0002		E200.8	11/15/06 20:38 / eli-b
Nickel	0.01	mg/L		0.01		E200.8	11/15/06 20:38 / eli-b
Selenium	ND	mg/L		0.005		E200.8	11/15/06 20:38 / eli-b
Silver	ND	mg/L		0.0002		E200.8	11/18/06 00:12 / eli-b
Thallium	ND	mg/L		0.01		E200.8	11/15/06 20:38 / eli-b
Vanadium	ND	mg/L		0.05		E200.8	11/15/06 20:38 / eli-b
Zinc	0.36	mg/L		0.01		E200.8	11/15/06 20:38 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mister M Landfill Inc
Lab ID: H06110112-003
Client Sample ID: MW-1

Report Date: 11/27/06
Collection Date: 11/10/06 11:35
Date Received: 11/14/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.6	s.u.		0.1		E150.1	11/15/06 08:34 / sld
Conductivity	775	umhos/cm		1		A2510 B	11/15/06 10:52 / abb
INORGANICS							
Sulfate	25	mg/L		1		A4500-SO4 E	11/20/06 15:10 / abb
Chloride	13	mg/L		1		A4500-Cl B	11/16/06 14:22 / sld
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	11/15/06 15:37 / eli-b
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	6	mg/L		1		E410.4	11/22/06 14:45 / sld
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	2.42	mg/L		0.02		E353.2	11/17/06 11:01 / sld
METALS, DISSOLVED							
Antimony	ND	mg/L		0.01		E200.8	11/15/06 20:45 / eli-b
Arsenic	ND	mg/L		0.005		E200.8	11/15/06 20:45 / eli-b
Barium	0.29	mg/L		0.02		E200.8	11/15/06 20:45 / eli-b
Beryllium	ND	mg/L		0.001		E200.8	11/15/06 20:45 / eli-b
Cadmium	ND	mg/L		0.0005		E200.8	11/15/06 20:45 / eli-b
Chromium	ND	mg/L		0.002		E200.8	11/15/06 20:45 / eli-b
Cobalt	ND	mg/L		0.005		E200.8	11/15/06 20:45 / eli-b
Copper	0.001	mg/L		0.001		E200.8	11/15/06 20:45 / eli-b
Iron	ND	mg/L		0.03		E200.7	11/16/06 17:48 / eli-b
Lead	ND	mg/L		0.002		E200.8	11/15/06 20:45 / eli-b
Mercury	ND	mg/L		0.0002		E200.8	11/15/06 20:45 / eli-b
Nickel	ND	mg/L		0.01		E200.8	11/15/06 20:45 / eli-b
Selenium	ND	mg/L		0.005		E200.8	11/15/06 20:45 / eli-b
Silver	ND	mg/L		0.0002		E200.8	11/18/06 01:04 / eli-b
Thallium	ND	mg/L		0.01		E200.8	11/15/06 20:45 / eli-b
Vanadium	ND	mg/L		0.05		E200.8	11/15/06 20:45 / eli-b
Zinc	ND	mg/L		0.01		E200.8	11/15/06 20:45 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mister M Landfill Inc
Lab ID: H06110112-004
Client Sample ID: MW-HW

Report Date: 11/27/06
Collection Date: 11/10/06 12:25
Date Received: 11/14/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.5	s.u.		0.1		E150.1	11/15/06 08:35 / sld
Conductivity	753	umhos/cm		1		A2510 B	11/15/06 10:53 / abb
INORGANICS							
Sulfate	35	mg/L		1		A4500-SO ₄ E	11/20/06 15:11 / abb
Chloride	9	mg/L		1		A4500-Cl B	11/16/06 14:24 / sld
Cyanide, Total Manual Distillation	ND	mg/L		0.005		E335.4	11/15/06 15:39 / eli-b
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		1		E410.4	11/22/06 14:45 / sld
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	11/17/06 11:05 / sld
METALS, DISSOLVED							
Antimony	ND	mg/L		0.01		E200.8	11/15/06 20:52 / eli-b
Arsenic	ND	mg/L		0.005		E200.8	11/15/06 20:52 / eli-b
Barium	0.06	mg/L		0.02		E200.8	11/15/06 20:52 / eli-b
Beryllium	ND	mg/L		0.001		E200.7	11/16/06 17:51 / eli-b
Cadmium	ND	mg/L		0.0005		E200.8	11/15/06 20:52 / eli-b
Chromium	ND	mg/L		0.002		E200.8	11/15/06 20:52 / eli-b
Cobalt	ND	mg/L		0.005		E200.8	11/15/06 20:52 / eli-b
Copper	0.001	mg/L		0.001		E200.8	11/15/06 20:52 / eli-b
Iron	0.28	mg/L		0.03		E200.7	11/16/06 17:51 / eli-b
Lead	ND	mg/L		0.002		E200.8	11/15/06 20:52 / eli-b
Mercury	ND	mg/L		0.0002		E200.8	11/15/06 20:52 / eli-b
Nickel	ND	mg/L		0.01		E200.8	11/15/06 20:52 / eli-b
Selenium	ND	mg/L		0.005		E200.8	11/15/06 20:52 / eli-b
Silver	ND	mg/L		0.0002		E200.8	11/18/06 01:10 / eli-b
Thallium	ND	mg/L		0.01		E200.8	11/15/06 20:52 / eli-b
Vanadium	ND	mg/L		0.05		E200.8	11/15/06 20:52 / eli-b
Zinc	0.03	mg/L		0.01		E200.8	11/15/06 20:52 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mister M Landfill Inc
Lab ID: H06110112-001
Client Sample ID: MW-5

Report Date: 11/17/06
Collection Date: 11/09/06 17:00
Date Received: 11/14/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	11/15/06 15:50 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	11/15/06 15:50 / jdh
Benzene	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Dichlorodifluoromethane	0.22	ug/L	J	1.0		SW8260B	11/15/06 15:50 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
2-Hexanone	ND	ug/L		10		SW8260B	11/15/06 15:50 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/15/06 15:50 / jdh
Methyl isobutyl ketone	ND	ug/L		10		SW8260B	11/15/06 15:50 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Styrene	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
Toluene	0.16	ug/L	J	1.0		SW8260B	11/15/06 15:50 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 15:50 / jdh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mister M Landfill Inc
Lab ID: H06110112-001
Client Sample ID: MW-5

Report Date: 11/17/06
Collection Date: 11/09/06 17:00
DateReceived: 11/14/06
Matrix: Aqueous

[illegible]

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mister M Landfill Inc
Lab ID: H06110112-002
Client Sample ID: MW-OW1

Report Date: 11/17/06
Collection Date: 11/10/06 10:40
Date Received: 11/14/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	11/15/06 15:20 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	11/15/06 15:20 / jdh
Benzene	0.38	ug/L	J	1.0		SW8260B	11/15/06 15:20 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Dichlorodifluoromethane	0.18	ug/L	J	1.0		SW8260B	11/15/06 15:20 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
cis-1,2-Dichloroethene	27	ug/L		5.0		SW8260B	11/16/06 10:59 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Ethylbenzene	0.20	ug/L	J	1.0		SW8260B	11/15/06 15:20 / jdh
2-Hexanone	ND	ug/L		10		SW8260B	11/15/06 15:20 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/15/06 15:20 / jdh
Methyl isobutyl ketone	ND	ug/L		10		SW8260B	11/15/06 15:20 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Styrene	0.13	ug/L	J	1.0		SW8260B	11/15/06 15:20 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Toluene	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mister M Landfill Inc
Lab ID: H06110112-002
Client Sample ID: MW-OW1

Report Date: 11/17/06
Collection Date: 11/10/06 10:40
Date Received: 11/14/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	0.22	ug/L	J	1.0		SW8260B	11/15/06 15:20 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Vinyl chloride	0.75	ug/L	J	1.0		SW8260B	11/15/06 15:20 / jdh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Xylenes, Total	ND	ug/L		1.0		SW8260B	11/15/06 15:20 / jdh
Surr: 1,2-Dichloroethane-d4	128	%REC			70-130	SW8260B	11/15/06 15:20 / jdh
Surr: Dibromofluoromethane	108	%REC			70-130	SW8260B	11/15/06 15:20 / jdh
Surr: p-Bromofluorobenzene	98.0	%REC			70-130	SW8260B	11/15/06 15:20 / jdh
Surr: Toluene-d8	102	%REC			70-130	SW8260B	11/15/06 15:20 / jdh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.
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GROUNDWATER SAMPLING LOG

2

Project: Mr. M. Lundell Date: 11-10-06 Time: 10:40 Station No. MW-001

Narrative Description: _____

Personnel: SU + CG Weather: Clear, calm, ~20°F

Well Locked? Yes ☐ No ☒ Well Log? Yes ☐ No ☐

Condition of Well: Casing okay, no c/p/sent. Windy, disconnected (former supply well) - no pump (?)

Casing Type: 4" PVC Casing Diameter: _____

Casing Stickup: PVC is ~ 1H Measuring Point Description: Black Mark top of PVC

Aquifer: _____

Well Depth (feet below measuring point): 135.73 Depth to Water: 38.72 = 97.01 ft water

WELL EVACUATION

Method: Spigot ☐ Hand-Lift Pump ☐ Submersible Pump ☐ SST Bailer ☐ Disp. Polyethylene Bailer ☒ Other: _____

97.01 ft water x 0.653 gal./ft. = one casing volume 63.35 gals. x 3 = purge volume 190 gals.

* 2" well = 0.163 gal./ft. 4" well = 0.653 gal./ft. 6" well = 1.469 gal./ft. 8" well = 2.611 gal./ft. Well C feet in diameter = 5.875 x C²

Remarks: _____

EVACUATION DATA

Time	Cumulative Gallons	Temp	pH	SC	DO	ORP	Other
8:45	15 Bailer set	9.1	7.61	780			
9:10	30	9.1	7.53	800			
9:30	55	9.1	7.58	950			
9:40	65	8.7	7.56	910			
9:50	85	8.4	7.55	820			
10:10	110	8.0	7.57	750			
10:35	125	8.4	7.58	740			

WELL SAMPLING

Sampling Method: Spigot ☐ Hand-Lift Pump ☐ Submersible Pump ☐ SST Bailer ☐ Disp. Polyethylene Bailer ☒ Other: _____

Sample Type: Natural ☒ Duplicate ☐ X-Contam ☐ Trip Blank ☐ Bottle Blank ☐

Temperature (°C): _____ pH (s.u.): _____ SC (µS): _____ ORP (MV): _____ DO (mg/l): _____ Other: _____

Sample Container

Parameters

Preservative

See list for MW-5

Laboratory: Enviro - Klein Chain-of-Custody: Yes ☒ No ☐

Meter	Serial No.	Calibration Date	Decontamination
pH	<u>GF Jackson Stok</u>	<u>11-10-06</u>	Steam: Yes ☐ No ☒ Potable Water: Yes ☒ No ☐
SC	<u>GF Jackson Stok</u>		Scrub: Yes ☒ No ☐ Liquinox: Yes ☒ No ☐
ORP			Methanol: Yes ☐ No ☒ Distilled Water: Yes ☒ No ☐
DO			Nitric Acid: Yes ☒ No ☐

Comments: MW change/breaking relatively turbid, organic debris (grass fragments, seeds, etc. - well uncapped). Strong organic/ammonia-like odor (can't quite place it). Odor gone, turbidity substantially less, by 40 gal. Continues to clear w/ purging. Pulled out a plastic spigot-like piece between bailers. See at least one other such piece in the ground near the well (part of a bailer?). Purged 125 gal (> 2 casing volumes) - sampled. Put PVC cap on well casing (from MW-4, since it wouldn't fit inside other well's protection).

GROUNDWATER SAMPLING LOG

Project: Mr. M Landfill Date: 11-10-06 Time: 11:35 Station No. MW-1

Narrative Description: _____

Personnel: SV - UG Weather: Mostly clear, breezy, ~40°F

Well Locked? Yes ☒ No ☐ Well Log? Yes ☐ No ☐

Condition of Well: Good / Protector Good

Casing Type: 2" PVC Casing Diameter: _____

Casing Stickup: Good - ~2-25 ft Measuring Point Description: Mark at top of PVC

Aquifer: _____

Well Depth (feet below measuring point): 23.23 Depth to Water: 14.98 = 8.25 ft water

WELL EVACUATION

Method: Spigot ☐ Hand-Lift Pump ☐ Submersible Pump ☐ SST Bailer ☐ Disp. Polyethylene Bailer ☒ Other: _____

Dedicated: Y N

8.25 ft water x 0.163 gal./ft. = one casing volume 1.43 gals. x 3 = purge volume 4.3 gals.

* 2" well = 0.163 gal./ft. 4" well = 0.653 gal./ft. 6" well = 1.469 gal./ft. 8" well = 2.611 gal./ft. Well C feet in diameter = 5.875 x C²

Remarks: _____

EVACUATION DATA							
Time	Cumulative Gallons	Temp	pH	SC	DO	ORP	Other
11:15	1 st Bailer	10.2	7.13	650			
11:20	~1/2	9.7	7.16	720			

WELL SAMPLING

Sampling Method: Spigot ☐ Hand-Lift Pump ☐ Submersible Pump ☐ SST Bailer ☐ Disp. Polyethylene Bailer ☒ Other: _____

Sample Type: Natural ☒ Duplicate ☐ X-Contam ☐ Trip Blank ☐ Bottle Blank ☐

Temperature (°C) _____ pH (s.u.) _____ SC (µS) _____ ORP (MV) _____ DO (mg/l) _____ Other: _____

Sample Container

Parameters

Preservative

see list for MW-5

Laboratory: Enviro - Helena Chain-of-Custody: Yes ☒ No ☐

Meter: _____ Serial No. _____ Calibration Date: 11-10-06

pH: GE Dinkler SHK

SC: GE Dinkler SHK

ORP: _____

DO: _____

Decontamination

Steam: Yes ☐ No ☒ Potable Water: Yes ☒ No ☐

Scrub: Yes ☒ No ☐ Liquinox: Yes ☒ No ☐

Methanol: Yes ☐ No ☒ Distilled Water: Yes ☒ No ☐

Nitric Acid: Yes ☒ No ☐

Comments: Clear, colorless, becoming moderately turbid and reddish brown by ~1 gpd. Nearly dry by 2 gpd. Had to let it recover to get sufficient sample water.

GROUNDWATER SAMPLING LOG

Project: Mr. M. Landfill Date: 11-10-06 Time: 12:25 Station No. MW-HW

Narrative Description: _____

Personnel: SU UG Weather: Mostly clear, breezy, ~45°F

Well Locked? Yes ☐ No ☒ Well Log? Yes ☐ No ☐

Condition of Well: Good

Casing Type: 4" PVC Casing Diameter: _____

Casing Stickup: NO protector Measuring Point Description: NA

Aquifer: _____

Well Depth (feet below measuring point): Unknown Depth to Water: NA = _____ ft water

WELL EVACUATION

Method: Spigot ☒ Hand-Lift Pump ☐ Submersible Pump ☐ SST Bailer ☐ Disp. Polyethylene Bailer ☐ Other: _____

Dedicated: Y ☐ N ☒

_____ ft. water x _____ gal./ft. = one casing volume _____ gals. x 3 = purge volume _____ gals.

* 2" well = 0.163 gal./ft. 4" well = 0.653 gal./ft. 6" well = 1.469 gal./ft. 8" well = 2.611 gal./ft. Well C feet in diameter = 5.875 x C²

Remarks: _____

EVACUATION DATA

Time	Cumulative Gallons	Temp	pH	SC	DO	ORP	Other
12:00	~1	10.7	7.42	750			
12:05	~90	9.9	7.41	750			
12:10	~180	9.8	7.41	760			
12:15	~240	9.7	7.38	710			

WELL SAMPLING

Sampling Method: Spigot ☒ Hand-Lift Pump ☐ Submersible Pump ☐ SST Bailer ☐ Disp. Polyethylene Bailer ☐ Other: _____

Sample Type: Natural ☒ Duplicate ☐ X-Contam ☐ Trip Blank ☐ Bottle Blank ☐

Temperature (°C): _____ pH (s.u.): _____ SC (µS): _____ ORP (MV): _____ DO (mg/l): _____ Other: _____

Sample Container

Parameters

Preservative

See MW-5

Laboratory: Energy - Helix Chain-of-Custody: Yes ☒ No ☐

Meter Serial No. Calibration Date

Decontamination

pH Dakota Stick 11-10-06 Steam: Yes ☐ No ☒ Potable Water: Yes ☒ No ☐

SC Dakota Stick Scrub: Yes ☒ No ☐ Liquinox: Yes ☒ No ☐

ORP _____ Methanol: Yes ☐ No ☒ Distilled Water: Yes ☒ No ☐

DO _____ Nitric Acid: Yes ☒ No ☐

Comments: Purged w/ hydrant. Approximate flow w/ the bucket method. Collected samples. Well seems to be powered by meter for house east of landfill. Purge ~240 gal.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mister M Landfill Inc
Lab ID: H06110112-003
Client Sample ID: MW-1

Report Date: 11/17/06
Collection Date: 11/10/06 11:35
Date Received: 11/14/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	11/15/06 14:51 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	11/15/06 14:51 / jdh
Benzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
2-Hexanone	ND	ug/L		10		SW8260B	11/15/06 14:51 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/15/06 14:51 / jdh
Methyl isobutyl ketone	ND	ug/L		10		SW8260B	11/15/06 14:51 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Styrene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Toluene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mister M Landfill Inc
Lab ID: H06110112-003
Client Sample ID: MW-1

Report Date: 11/17/06
Collection Date: 11/10/06 11:35
DateReceived: 11/14/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Xylenes, Total	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
Surr: 1,2-Dichloroethane-d4	126	%REC			70-130	SW8260B	11/15/06 14:51 / jdh
Surr: Dibromofluoromethane	104	%REC			70-130	SW8260B	11/15/06 14:51 / jdh
Surr: p-Bromofluorobenzene	103	%REC			70-130	SW8260B	11/15/06 14:51 / jdh
Surr: Toluene-d8	98.0	%REC			70-130	SW8260B	11/15/06 14:51 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,1,1-Trichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,1,2-Trichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromochloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromofluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromochloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromofluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:51 / jdh
1,2-Dibromodifluoroethane	ND	ug/L		1.0		SW8260B	

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

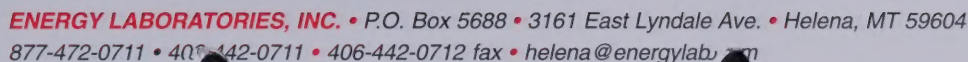
Client: MT DEQ
Project: Mister M Landfill Inc
Lab ID: H06110112-004
Client Sample ID: MW-HW

Report Date: 11/17/06
Collection Date: 11/10/06 12:25
Date Received: 11/14/06
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	11/15/06 14:21 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	11/15/06 14:21 / jdh
Benzene	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
2-Hexanone	ND	ug/L		10		SW8260B	11/15/06 14:21 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/15/06 14:21 / jdh
Methyl isobutyl ketone	ND	ug/L		10		SW8260B	11/15/06 14:21 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Styrene	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
Toluene	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 14:21 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



Client: MT DEQ
Project: Mister M Landfill Inc
Lab ID: H06110112-004
Client Sample ID: MW-HW

Report Date: 11/17/06
Collection Date: 11/10/06 12:25
DateReceived: 11/14/06
Matrix: Aqueous

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mister M Landfill Inc
Lab ID: H06110112-005
Client Sample ID: Trip Blank TB102506(jm)(b)11

Report Date: 11/17/06
Collection Date: 11/09/06 17:00
Date Received: 11/14/06
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	11/15/06 13:51 / jdh
Acrylonitrile	ND	ug/L		20		SW8260B	11/15/06 13:51 / jdh
Benzene	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Bromoform	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Bromomethane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Carbon disulfide	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Chloroethane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Chloroform	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Chloromethane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
2-Hexanone	ND	ug/L		20		SW8260B	11/15/06 13:51 / jdh
Iodomethane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/15/06 13:51 / jdh
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	11/15/06 13:51 / jdh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Styrene	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Toluene	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: MT DEQ
Project: Mister M Landfill Inc
Lab ID: H06110112-005
Client Sample ID: Trip Blank TB102506(jm)(b)11

Report Date: 11/17/06
Collection Date: 11/09/06 17:00
Date Received: 11/14/06
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Vinyl acetate	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
o-Xylene	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Xylenes, Total	ND	ug/L		1.0		SW8260B	11/15/06 13:51 / jdh
Surr: 1,2-Dichloroethane-d4	97.0	%REC			70-130	SW8260B	11/15/06 13:51 / jdh
Surr: Dibromofluoromethane	102	%REC			70-130	SW8260B	11/15/06 13:51 / jdh
Surr: p-Bromofluorobenzene	101	%REC			70-130	SW8260B	11/15/06 13:51 / jdh
Surr: Toluene-d8	103	%REC			70-130	SW8260B	11/15/06 13:51 / jdh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mister M Landfill Inc

Report Date: 11/17/06

Work Order: H06110112

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Analytical Run: 1SATURN_061115A		
Sample ID: CCV	Continuing Calibration Verification Standard							11/15/06 10:42	
Acetone	50.4	ug/L	20	101	70	130			
Acrylonitrile	55.2	ug/L	20	110	70	130			
Benzene	5.88	ug/L	1.0	118	70	130			
Bromochloromethane	5.28	ug/L	1.0	106	70	130			
Bromodichloromethane	4.64	ug/L	1.0	93	70	130			
Bromoform	4.44	ug/L	1.0	89	70	130			
Bromomethane	4.44	ug/L	1.0	89	70	130			
Carbon disulfide	5.08	ug/L	1.0	102	70	130			
Carbon tetrachloride	5.12	ug/L	1.0	102	70	130			
Chlorobenzene	4.80	ug/L	1.0	96	70	130			
Chlorodibromomethane	4.52	ug/L	1.0	90	70	130			
Chloroform	5.04	ug/L	1.0	101	80	120			
Chloromethane	6.36	ug/L	1.0	127	70	130			
1,2-Dibromo-3-chloropropane	4.20	ug/L	1.0	84	70	130			
1,2-Dibromoethane	4.48	ug/L	1.0	90	70	130			
Dibromomethane	4.72	ug/L	1.0	94	70	130			
1,2-Dichlorobenzene	4.64	ug/L	1.0	93	70	130			
1,4-Dichlorobenzene	4.56	ug/L	1.0	91	70	130			
trans-1,4-Dichloro-2-butene	4.68	ug/L	1.0	94	70	130			
Dichlorodifluoromethane	6.40	ug/L	1.0	128	70	130			
1,1-Dichloroethane	5.40	ug/L	1.0	108	70	130			
1,2-Dichloroethane	5.72	ug/L	1.0	114	70	130			
1,1-Dichloroethene	5.64	ug/L	1.0	113	80	120			
cis-1,2-Dichloroethene	5.20	ug/L	1.0	104	70	130			
trans-1,2-Dichloroethene	5.40	ug/L	1.0	108	70	130			
1,2-Dichloropropane	4.80	ug/L	1.0	96	80	120			
cis-1,3-Dichloropropene	4.80	ug/L	1.0	96	70	130			
trans-1,3-Dichloropropene	4.96	ug/L	1.0	99	70	130			
Ethylbenzene	4.72	ug/L	1.0	94	80	120			
2-Hexanone	48.4	ug/L	20	97	70	130			
Iodomethane	5.04	ug/L	1.0	101	70	130			
Methyl ethyl ketone	52.4	ug/L	20	105	70	130			
Methyl isobutyl ketone	48.4	ug/L	20	97	70	130			
Methylene chloride	6.00	ug/L	1.0	120	70	130			
Styrene	4.60	ug/L	1.0	92	70	130			
1,1,1,2-Tetrachloroethane	4.88	ug/L	1.0	98	70	130			
1,1,2,2-Tetrachloroethane	4.56	ug/L	1.0	91	70	130			
Tetrachloroethene	4.84	ug/L	1.0	97	70	130			
Toluene	5.00	ug/L	1.0	100	80	120			
1,1,1-Trichloroethane	5.16	ug/L	1.0	103	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mister M Landfill Inc

Report Date: 11/17/06
Work Order: H06110112

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Analytical Run: 1SATURN_061115A		
Sample ID: CCV	Continuing Calibration Verification Standard							11/15/06 10:42	
1,1,2-Trichloroethane	5.04	ug/L	1.0	101	70	130			
Trichloroethene	4.68	ug/L	1.0	94	70	130			
Trichlorofluoromethane	6.24	ug/L	1.0	125	70	130			
1,2,3-Trichloropropane	4.64	ug/L	1.0	93	70	130			
Vinyl acetate	4.72	ug/L	1.0	94	70	130			
Vinyl chloride	5.76	ug/L	1.0	115	80	120			
m+p-Xylenes	9.36	ug/L	1.0	94	70	130			
o-Xylene	4.64	ug/L	1.0	93	70	130			
Xylenes, Total	14.0	ug/L	1.0	93	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	122	70	130			
Surr: Dibromofluoromethane			1.0	105	70	130			
Surr: p-Bromofluorobenzene			1.0	99	70	130			
Surr: Toluene-d8			1.0	98	70	130			
Sample ID: CCV	Continuing Calibration Verification Standard							11/15/06 11:34	
Chloroethane	4.32	ug/L	1.0	86	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	118	70	130			
Surr: Dibromofluoromethane			1.0	104	70	130			
Surr: p-Bromofluorobenzene			1.0	98	70	130			
Surr: Toluene-d8			1.0	104	70	130			
Method: SW8260B							Batch: R34065		
Sample ID: LCS	Laboratory Control Sample							Run: 1SATURN_061115A	
Acetone	59.6	ug/L	20	119	70	130			11/15/06 12:04
Acrylonitrile	46.8	ug/L	20	94	70	130			
Benzene	5.08	ug/L	1.0	102	70	130			
Bromochloromethane	4.52	ug/L	1.0	90	70	130			
Bromodichloromethane	4.40	ug/L	1.0	88	70	130			
Bromoform	4.04	ug/L	1.0	81	70	130			
Bromomethane	4.52	ug/L	1.0	90	70	130			
Carbon disulfide	4.92	ug/L	1.0	98	70	130			
Carbon tetrachloride	4.56	ug/L	1.0	91	70	130			
Chlorobenzene	4.48	ug/L	1.0	90	70	130			
Chlorodibromomethane	4.00	ug/L	1.0	80	70	130			
Chloroethane	4.68	ug/L	1.0	94	70	130			
Chloroform	4.40	ug/L	1.0	88	70	130			
Chloromethane	5.64	ug/L	1.0	113	70	130			
1,2-Dibromo-3-chloropropane	4.36	ug/L	1.0	87	70	130			
1,2-Dibromoethane	4.60	ug/L	1.0	92	70	130			
Dibromomethane	4.72	ug/L	1.0	94	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Project: Mister M Landfill Inc

Report Date: 11/17/06

Work Order: H06110112

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R34065		
Sample ID: LCS	Laboratory Control Sample				Run: 1SATURN_061115A		11/15/06 12:04		
1,2-Dichlorobenzene	4.44	ug/L	1.0	89	70	130			
1,4-Dichlorobenzene	4.36	ug/L	1.0	87	70	130			
trans-1,4-Dichloro-2-butene	5.68	ug/L	1.0	114	70	130			
Dichlorodifluoromethane	5.72	ug/L	1.0	114	70	130			
1,1-Dichloroethane	4.80	ug/L	1.0	96	70	130			
1,2-Dichloroethane	5.04	ug/L	1.0	101	70	130			
1,1-Dichloroethene	4.36	ug/L	1.0	87	70	130			
cis-1,2-Dichloroethene	4.64	ug/L	1.0	93	70	130			
trans-1,2-Dichloroethene	4.44	ug/L	1.0	89	70	130			
1,2-Dichloropropane	4.24	ug/L	1.0	85	70	130			
cis-1,3-Dichloropropene	4.36	ug/L	1.0	87	70	130			
trans-1,3-Dichloropropene	4.28	ug/L	1.0	86	70	130			
Ethylbenzene	4.28	ug/L	1.0	86	70	130			
2-Hexanone	47.2	ug/L	20	94	70	130			
Iodomethane	5.52	ug/L	1.0	110	70	130			
Methyl ethyl ketone	54.8	ug/L	20	110	70	130			
Methyl isobutyl ketone	50.8	ug/L	20	102	70	130			
Methylene chloride	5.56	ug/L	1.0	111	70	130			
Styrene	4.24	ug/L	1.0	85	70	130			
1,1,1,2-Tetrachloroethane	4.60	ug/L	1.0	92	70	130			
1,1,2,2-Tetrachloroethane	4.32	ug/L	1.0	86	70	130			
Tetrachloroethene	4.40	ug/L	1.0	88	70	130			
Toluene	4.56	ug/L	1.0	91	70	130			
1,1,1-Trichloroethane	4.48	ug/L	1.0	90	70	130			
1,1,2-Trichloroethane	4.36	ug/L	1.0	87	70	130			
Trichloroethene	4.16	ug/L	1.0	83	70	130			
Trichlorofluoromethane	5.44	ug/L	1.0	109	70	130			
1,2,3-Trichloropropane	4.48	ug/L	1.0	90	70	130			
Vinyl acetate	4.00	ug/L	1.0	80	70	130			
Vinyl chloride	5.40	ug/L	1.0	108	70	130			
m+p-Xylenes	8.64	ug/L	1.0	86	70	130			
o-Xylene	4.52	ug/L	1.0	90	70	130			
Xylenes, Total	13.2	ug/L	1.0	88	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	115	70	130			
Surr: Dibromofluoromethane			1.0	104	70	130			
Surr: p-Bromofluorobenzene			1.0	99	70	130			
Surr: Toluene-d8			1.0	103	70	130			
Sample ID: H06110087-001EMS	Sample Matrix Spike				Run: 1SATURN_061115A		11/15/06 16:20		
Acetone	110	ug/L	40	110	70	130			
Acrylonitrile	88.8	ug/L	40	89	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Report Date: 11/17/06

Project: Mister M Landfill Inc

Work Order: H06110112

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R34065
Sample ID: H06110087-001EMS	Sample Matrix Spike		Run: 1SATURN_061115A				11/15/06 16:20		
Benzene	10.0	ug/L	2.0	100	70	130			
Bromochloromethane	9.60	ug/L	2.0	96	70	130			
Bromodichloromethane	9.04	ug/L	2.0	90	70	130			
Bromoform	8.64	ug/L	2.0	86	70	130			
Bromomethane	9.12	ug/L	2.0	91	70	130			
Carbon disulfide	9.36	ug/L	2.0	94	70	130			
Carbon tetrachloride	9.60	ug/L	2.0	96	70	130			
Chlorobenzene	9.04	ug/L	2.0	90	70	130			
Chlorodibromomethane	8.08	ug/L	2.0	81	70	130			
Chloroethane	8.88	ug/L	2.0	89	70	130			
Chloroform	9.36	ug/L	2.0	94	70	130			
Chloromethane	12.5	ug/L	2.0	125	70	130			
1,2-Dibromo-3-chloropropane	8.08	ug/L	2.0	81	70	130			
1,2-Dibromoethane	8.72	ug/L	2.0	87	70	130			
Dibromomethane	9.36	ug/L	2.0	94	70	130			
1,2-Dichlorobenzene	8.16	ug/L	2.0	82	70	130			
1,4-Dichlorobenzene	8.08	ug/L	2.0	81	70	130			
trans-1,4-Dichloro-2-butene	9.04	ug/L	2.0	90	70	130			
Dichlorodifluoromethane	13.0	ug/L	2.0	130	70	130			
1,1-Dichloroethane	10.3	ug/L	2.0	103	70	130			
1,2-Dichloroethane	10.2	ug/L	2.0	102	70	130			
1,1-Dichloroethene	9.28	ug/L	2.0	93	70	130			
cis-1,2-Dichloroethene	10.2	ug/L	2.0	102	70	130			
trans-1,2-Dichloroethene	9.28	ug/L	2.0	93	70	130			
1,2-Dichloropropane	8.96	ug/L	2.0	90	70	130			
cis-1,3-Dichloropropene	8.48	ug/L	2.0	85	70	130			
trans-1,3-Dichloropropene	7.94	ug/L	2.0	79	70	130			
Ethylbenzene	8.72	ug/L	2.0	87	70	130			
2-Hexanone	89.6	ug/L	40	90	70	130			
Iodomethane	9.92	ug/L	2.0	99	70	130			
Methyl ethyl ketone	110	ug/L	40	110	70	130			
Methyl isobutyl ketone	96.0	ug/L	40	96	70	130			
Methylene chloride	12.6	ug/L	2.0	126	70	130			
Styrene	8.56	ug/L	2.0	86	70	130			
1,1,1,2-Tetrachloroethane	8.56	ug/L	2.0	86	70	130			
1,1,2,2-Tetrachloroethane	8.56	ug/L	2.0	86	70	130			
Tetrachloroethene	8.56	ug/L	2.0	86	70	130			
Toluene	8.80	ug/L	2.0	88	70	130			
1,1,1-Trichloroethane	9.84	ug/L	2.0	98	70	130			
1,1,2-Trichloroethane	8.56	ug/L	2.0	86	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Report Date: 11/17/06

Project: Mister M Landfill Inc

Work Order: H06110112

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R34065		
Sample ID: H06110087-001EMS	Sample Matrix Spike		Run: 1SATURN_061115A				11/15/06 16:20		
Trichloroethene	8.48	ug/L	2.0	85	70	130			
Trichlorofluoromethane	12.5	ug/L	2.0	125	70	130			
1,2,3-Trichloropropane	8.88	ug/L	2.0	89	70	130			
Vinyl acetate	9.04	ug/L	2.0	90	70	130			
Vinyl chloride	11.8	ug/L	2.0	118	70	130			
m+p-Xylenes	16.9	ug/L	2.0	84	70	130			
o-Xylene	9.12	ug/L	2.0	91	70	130			
Xylenes, Total	26.0	ug/L	2.0	87	70	130			
Surr: 1,2-Dichloroethane-d4			2.0	123	70	130			
Surr: Dibromofluoromethane			2.0	109	70	130			
Surr: p-Bromofluorobenzene			2.0	102	70	130			
Surr: Toluene-d8			2.0	98	70	130			
Sample ID: H06110087-001EMSD	Sample Matrix Spike Duplicate		Run: 1SATURN_061115A				11/15/06 16:50		
Acetone	123	ug/L	40	123	70	130	12	20	
Acrylonitrile	89.6	ug/L	40	90	70	130	0.9	20	
Benzene	11.1	ug/L	2.0	111	70	130	11	20	
Bromochloromethane	10.2	ug/L	2.0	102	70	130	5.7	20	
Bromodichloromethane	9.36	ug/L	2.0	94	70	130	3.5	20	
Bromoform	8.88	ug/L	2.0	89	70	130	2.7	20	
Bromomethane	7.83	ug/L	2.0	78	70	130	15	20	
Carbon disulfide	9.60	ug/L	2.0	96	70	130	2.5	20	
Carbon tetrachloride	9.60	ug/L	2.0	96	70	130	0.0	20	
Chlorobenzene	10.2	ug/L	2.0	102	70	130	12	20	
Chlorodibromomethane	8.80	ug/L	2.0	88	70	130	8.5	20	
Chloroethane	1.08	ug/L	2.0	11	70	130	0.0	20	S
Chloroform	9.68	ug/L	2.0	97	70	130	3.4	20	
Chloromethane	11.4	ug/L	2.0	114	70	130	8.7	20	
1,2-Dibromo-3-chloropropane	8.88	ug/L	2.0	89	70	130	9.4	20	
1,2-Dibromoethane	9.28	ug/L	2.0	93	70	130	6.2	20	
Dibromomethane	9.12	ug/L	2.0	91	70	130	2.6	20	
1,2-Dichlorobenzene	9.12	ug/L	2.0	91	70	130	11	20	
1,4-Dichlorobenzene	8.96	ug/L	2.0	90	70	130	10	20	
trans-1,4-Dichloro-2-butene	9.92	ug/L	2.0	99	70	130	9.3	20	
Dichlorodifluoromethane	11.8	ug/L	2.0	118	70	130	9.0	20	
1,1-Dichloroethane	10.6	ug/L	2.0	106	70	130	3.1	20	
1,2-Dichloroethane	11.7	ug/L	2.0	117	70	130	14	20	
1,1-Dichloroethene	10.2	ug/L	2.0	102	70	130	9.8	20	
cis-1,2-Dichloroethene	10.1	ug/L	2.0	101	70	130	1.6	20	
trans-1,2-Dichloroethene	9.60	ug/L	2.0	96	70	130	3.4	20	
1,2-Dichloropropane	9.12	ug/L	2.0	91	70	130	1.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: MT DEQ

Report Date: 11/17/06

Project: Mister M Landfill Inc

Work Order: H06110112

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R34065
Sample ID: H06110087-001EMSD	Sample Matrix Spike Duplicate			Run: 1SATURN_061115A				11/15/06 16:50	
cis-1,3-Dichloropropene	9.12	ug/L	2.0	91	70	130	7.3	20	
trans-1,3-Dichloropropene	8.40	ug/L	2.0	84	70	130	5.7	20	
Ethylbenzene	9.28	ug/L	2.0	93	70	130	6.2	20	
2-Hexanone	103	ug/L	40	103	70	130	14	20	
Iodomethane	10.0	ug/L	2.0	100	70	130	0.8	20	
Methyl ethyl ketone	118	ug/L	40	118	70	130	7.7	20	
Methyl isobutyl ketone	107	ug/L	40	107	70	130	11	20	
Methylene chloride	12.2	ug/L	2.0	122	70	130	3.2	20	
Styrene	9.12	ug/L	2.0	91	70	130	6.3	20	
1,1,1,2-Tetrachloroethane	9.60	ug/L	2.0	96	70	130	11	20	
1,1,2,2-Tetrachloroethane	9.12	ug/L	2.0	91	70	130	6.3	20	
Tetrachloroethene	9.28	ug/L	2.0	93	70	130	8.1	20	
Toluene	9.36	ug/L	2.0	94	70	130	6.2	20	
1,1,1-Trichloroethane	9.68	ug/L	2.0	97	70	130	1.6	20	
1,1,2-Trichloroethane	9.20	ug/L	2.0	92	70	130	7.2	20	
Trichloroethene	8.40	ug/L	2.0	84	70	130	0.9	20	
Trichlorofluoromethane	11.9	ug/L	2.0	119	70	130	4.6	20	
1,2,3-Trichloropropane	9.60	ug/L	2.0	96	70	130	7.8	20	
Vinyl acetate	8.96	ug/L	2.0	90	70	130	0.9	20	
Vinyl chloride	11.2	ug/L	2.0	112	70	130	5.6	20	
m+p-Xylenes	18.5	ug/L	2.0	92	70	130	9.0	20	
o-Xylene	9.60	ug/L	2.0	96	70	130	5.1	20	
Xylenes, Total	28.1	ug/L	2.0	94	70	130	7.7	20	
Surr: 1,2-Dichloroethane-d4			2.0	127	70	130	0.0	20	
Surr: Dibromofluoromethane			2.0	108	70	130	0.0	20	
Surr: p-Bromofluorobenzene			2.0	100	70	130	0.0	20	
Surr: Toluene-d8			2.0	100	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ
Project: Mister M Landfill Inc

Report Date: 11/17/06
Work Order: H06110112

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Analytical Run: 1SATURN_061116A		
Sample ID: CCV Continuing Calibration Verification Standard							11/16/06 08:19		
cis-1,2-Dichloroethene	5.24	ug/L	1.0	105	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	120	70	130			
Surr: Dibromofluoromethane			1.0	104	70	130			
Surr: p-Bromofluorobenzene			1.0	95	70	130			
Surr: Toluene-d8			1.0	100	70	130			
Sample ID: CCV Continuing Calibration Verification Standard							11/16/06 08:57		
Surr: 1,2-Dichloroethane-d4			1.0	117	70	130			
Surr: Dibromofluoromethane			1.0	106	70	130			
Surr: p-Bromofluorobenzene			1.0	98	70	130			
Surr: Toluene-d8			1.0	100	70	130			
Method: SW8260B							Batch: R34105		
Sample ID: LCS Laboratory Control Sample							Run: 1SATURN_061116A		
cis-1,2-Dichloroethene	5.36	ug/L	1.0	107	70	130			11/16/06 09:27
Surr: 1,2-Dichloroethane-d4			1.0	118	70	130			
Surr: Dibromofluoromethane			1.0	110	70	130			
Surr: p-Bromofluorobenzene			1.0	102	70	130			
Surr: Toluene-d8			1.0	98	70	130			
Sample ID: LCS Laboratory Control Sample							Run: 1SATURN_061116A		
Surr: 1,2-Dichloroethane-d4			1.0	116	70	130			11/16/06 10:00
Surr: Dibromofluoromethane			1.0	104	70	130			
Surr: p-Bromofluorobenzene			1.0	100	70	130			
Surr: Toluene-d8			1.0	99	70	130			
Sample ID: MBLK Method Blank							Run: 1SATURN_061116A		
cis-1,2-Dichloroethene	ND	ug/L	1.0						11/16/06 10:30
Surr: 1,2-Dichloroethane-d4			1.0	125	70	130			
Surr: Dibromofluoromethane			1.0	107	70	130			
Surr: p-Bromofluorobenzene			1.0	102	70	130			
Surr: Toluene-d8			1.0	101	70	130			
Sample ID: H06110112-004EMS Sample Matrix Spike							Run: 1SATURN_061116A		
cis-1,2-Dichloroethene	9.44	ug/L	2.0	94	70	130			11/16/06 12:28
Surr: 1,2-Dichloroethane-d4			2.0	121	70	130			
Surr: Dibromofluoromethane			2.0	109	70	130			
Surr: p-Bromofluorobenzene			2.0	99	70	130			
Surr: Toluene-d8			2.0	100	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: MT DEQ

Report Date: 11/17/06

Project: Mister M Landfill Inc

Work Order: H06110112

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R34105
Sample ID: H06110112-004EMSD			Sample Matrix Spike Duplicate			Run: 1SATURN_061116A			11/16/06 12:58
cis-1,2-Dichloroethene	9.76	ug/L	2.0	98	70	130	3.3	20	
Surr: 1,2-Dichloroethane-d4			2.0	123	70	130	0.0	20	
Surr: Dibromofluoromethane			2.0	102	70	130	0.0	20	
Surr: p-Bromofluorobenzene			2.0	100	70	130	0.0	20	
Surr: Toluene-d8			2.0	99	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: <u>Tetra Tech, Inc.</u>			Project Name, PWS #, Permit #, Etc.: <u>Mr. M. Landfill</u>																																																																																																																																																																																																																																																																								
Report Mail Address: <u>1) Chris Cronin (copy) Tetra Tech 303 Irene Street Helena, MT 59601</u> <u>2) Mary Hendrickson Solid Waste Program (original) ↑</u>			Contact Name, Phone, Fax, E-mail: <u>Mary Hendrickson 444-1808</u> <u>Chris Cronin 443-5210</u>					Sampler Name if other than Contact: <u>Scott Vosen & Dean Grotbo</u>																																																																																																																																																																																																																																																																			
Invoice Address: <u>MT MDEQ PO Box 200901 Helena, MT 59620</u>			Invoice Contact & Phone #:					Purchase Order #:		ELI Quote #:																																																																																																																																																																																																																																																																	
Report Required For: ☐ POTW/WWTP ☐ DW ☐ Other _____ Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____			<table border="1"><thead><tr><th rowspan="2">Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other</th><th colspan="10">ANALYSIS REQUESTED</th><th rowspan="2">SEE ATTACHED</th><th rowspan="2">Normal Turnaround (TAT)</th><th rowspan="2">RUSH Turnaround (TAT)</th><th rowspan="2">Notify ELI prior to RUSH sample submittal for additional charges and scheduling</th><th rowspan="2">Comments:</th><th rowspan="2">Shipped by: <u>Handchel</u> Cooler ID(s): _____</th><th rowspan="2">Receipt Temp <u>3.5</u> °C</th><th rowspan="2">Custody Seal Y N Intact Y N Signature Y N Match Y N Lab ID</th></tr><tr><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></tr></thead><tbody><tr><td>1</td><td>MW-5</td><td>11-9-06</td><td>17:00</td><td>W</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td>MW-OW1</td><td>11-10-06</td><td>10:40</td><td>W</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>3</td><td>MW-1</td><td>11-10-06</td><td>11:35</td><td>W</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>4</td><td>MW-HW</td><td>11-10-06</td><td>12:25</td><td>W</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td>Trip Blank</td><td></td><td></td><td>W</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>										Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other	ANALYSIS REQUESTED										SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Notify ELI prior to RUSH sample submittal for additional charges and scheduling	Comments:	Shipped by: <u>Handchel</u> Cooler ID(s): _____	Receipt Temp <u>3.5</u> °C	Custody Seal Y N Intact Y N Signature Y N Match Y N Lab ID												1	MW-5	11-9-06	17:00	W										X	X							2	MW-OW1	11-10-06	10:40	W										X	X							3	MW-1	11-10-06	11:35	W										X	X							4	MW-HW	11-10-06	12:25	W										X	X							5	Trip Blank			W																		6																						7																						8																						9																						10																						LABORATORY USE ONLY	Relinquished by (print): <u>Scott Vosen</u> Date/Time: <u>11-13-06/PM</u> Signature: <u>[Signature]</u>		Received by (print): <u>Aaron Shawman</u> Date/Time: <u>11/13/06/1430</u> Signature: <u>[Signature]</u>	
Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other	ANALYSIS REQUESTED										SEE ATTACHED	Normal Turnaround (TAT)		RUSH Turnaround (TAT)	Notify ELI prior to RUSH sample submittal for additional charges and scheduling	Comments:	Shipped by: <u>Handchel</u> Cooler ID(s): _____	Receipt Temp <u>3.5</u> °C	Custody Seal Y N Intact Y N Signature Y N Match Y N Lab ID																																																																																																																																																																																																																																																								
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Custody Record MUST be Signed		Relinquished by (print): <u>Aaron Shawman</u> Date/Time: <u>11/14/06/0815</u> Signature: <u>[Signature]</u>		Received by (print): <u>Roxanne Turner</u> Date/Time: <u>11/14/06 8:17</u> Signature: <u>[Signature]</u>																																																																																																																																																																																																																																																																							
		Sample Disposal: _____ Return to client: _____ Lab Disposal: <u>X</u>		Sample Type: _____ # of fractions _____																																																																																																																																																																																																																																																																							
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In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, & links.

BILLINGS, MT
1120 South 27th (59101)
PO Box 30916 (59107)
CASPER, WY
2393 Salt Creek Highway (82601)
PO Box 3258 (82602)
COLLEGE STATION, TX
415 Graham Road (77845)

Toll Free 800.735.4489
Voice 406.252.6325
Fax 406.252.6069
Toll Free 888.235.0515
Voice 307.235.0515
Fax 307.234.1639
Toll Free 888.690.2218
Voice 979.690.2217
Fax 979.690.2045

GILLETTE, WY
1105 West First Street (82716)
HELENA, MT
3161 E Lyndale Ave. (59601)
PO Box 5688 (59604)

Toll Free 866.686.7175
Voice 307.686.7175
Fax 307.682.4625
Toll Free 877.472.0711
Voice 406.442.0711
Fax 406.442.0712

IDAHO FALLS, ID
258 North Water Avenue
Suite 5 (83402)
RAPID CITY, SD
2821 Plant Street (57702)

Toll Free 866.522.4498
Voice 208.522.4498
Fax 208.522.1049
Toll Free 888.672.1225
Voice 605.342.1225
Fax 605.342.1397

1. Please complete the Chain of Custody with as much detailed information as possible. This information is required so that the appropriate analytical services, reporting and invoicing can be provided for your project.

2. If services other than standard are required for your analytical project, contact ELI *PRIOR* to sample submittal. Additional charges will be applied for the following services: RUSH TAT, NELAC, A2LA, or Level IV reporting, EDD/EDT, etc.

3. ELI provides quotes for project specific sampling requirements that may include, but are not limited to, non-standard reporting limits, odd matrices, RUSH TAT and specific method requests. It is very important to provide the ELI quote number to assure that you receive the quoted pricing for your project.

4. Basic Aqueous Sampling Instructions: Analytical services include preserved and unpreserved sample bottles, preservatives, and shipping containers at no additional cost. In certain cases, additional charges will be made for special sampling containers (i.e. Tedlar or equivalent bags, 3M or equivalent passive monitors). Preservatives are contained in small vials with color-coded caps and labels that correspond to the table below.

Preservative	Cap Color	Label Color
Hydrochloric Acid	Blue	Blue
Nitric Acid	Red	Fluorescent Red
Non-Preserved (raw)	None	White w/Red Print
Phosphoric Acid	White	White w/Black Print
Sodium Hydroxide	Green	Fluorescent Green w/ Black Print
Sulfuric Acid	Yellow	Fluorescent Yellow
Zinc Acetate	Purple	Fluorescent Green w/ Black Print



Chain of Custody and Analytical Request Record

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Page ____ of ____

Company Name: ABC Corporation		Project Name, PWS #, Permit #, Etc.: Rockport Reclamation Project	
Report Mail Address: 1234 Main St. Anywhere, MT 59101		Contact Name, Phone, Fax, E-mail: John Smith 605-444-1234 anyone@email.com	
Invoice Address: P.O. Box 222 City, ST 11111		Invoice Contact & Phone #: Jane Doe 406-555-1212	Purchase Order #: A98765
Report Required For: POTWWWT ☐ DW ☐ Other _____		Notify ELI prior to RUSH sample submittal for additional charges and scheduling	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____		Comments: Spoke to Joe RE: Rush TAT	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		SEE ATTACHED Normal Turnaround (TAT) RUSH Turnaround (TAT)	
Collection Date	Collection Time	MATRIX	Number of Containers Sample Type: A W S V B O Air Water Soils Soda Vegetation Biossary Other
08/01/01	13:10	3-W	X X X
08/02/01	09:47	1-S	X X X
Custody Record MUST be Signed		LABORATORY USE ONLY	
Relinquished by (print): John Smith	Date/Time: 08/09/04 14:15	Signature: John Smith	Received by (print): Mary Cook
Relinquished by (print):	Date/Time:	Signature:	Received by (print):
Sample Disposal: Return to client:		Lab Disposal:	
Sample Type:		# of fractions	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories. In order to complete the analysis requested, this serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Fill container with sample and empty contents of preservative vial into container or as instructed. If sample containers are pre-preserved, DO NOT FLUSH or RINSE PRESERVATIVE. Secure lid and invert slowly to mix.

If you are uncertain of the preservative or preparation required for your sampling project, please contact an ELI representative for instructions.

Proper cooling for specific sample matrices is required. ELI provides resealable bags for crushed ice to be packed around the sample(s). Blue ice or equivalent does not maintain the required 4°C temperature. Samples should be securely packed in the shipping containers provided.

5. Sample Disposal: ELI, when applicable, will dispose of all non-hazardous samples. Routinely, hazardous samples will be returned to client. If requested, ELI will dispose of hazardous samples at client's expense.

→ Attach this 3 page parameter list, the Chain of Custody.
 Mr. M Landfill* - Lewistown, MT

TABLE GROUNDWATER DETECTION MONITORING PARAMETER LIST [REDACTED] SANITARY LANDFILL 1 of 3						
Parameter	Method ⁽¹⁾	MDL ⁽²⁾ (mg/l)	PQL ⁽³⁾ (mg/l)	Category ⁽⁴⁾	State ⁽⁵⁾	Federal ⁽⁶⁾
Chloride	9250	0.2	1	2	x	
Nitrate (as N)	353.2 ^m	0.005	0.01	3	x	
Sulfate (SO ₄)	9036	1.8	5	2	x	
Chemical Oxygen Demand (COD)	410.2 ^m	2.5	5	3	x	
Specific Conductivity	9050	5.1	10	0	x	
pH	9040	-	-	0	x	
Cyanide	9010	0.002	0.005	4	x	
Antimony	7041	0.005	0.01	1	x	x
Arsenic	7061	0.001	0.005	1	x	x
Beryllium	7091	0.001	0.002	1	x	x
Barium	6010	0.03	0.02	1	x	x
Cadmium	7131	0.0002	0.0005	1	x	x
Chromium	7191	0.001	0.002	1	x	x
Cobalt	7201	0.004	0.005	1	x	x
Copper	7211	0.0003	0.001	1	x	x
Iron	6010	0.008	0.05	1	x	
Lead	7421	0.001	0.002	1	x	x
Mercury	7470	0.0002	0.0002	1	x	
Nickel	6010	0.02	0.05	1	x	x
Selenium	7741	0.001	0.005	1	x	x
Silver	7761	0.0001	0.0002	1	x	x
Thallium	7841	0.006	0.01	1	x	x
Vanadium	6010	0.04	0.05	1	x	x
Zinc	6010	0.008	0.02	1	x	x

* Analyze Mr. M GW Samples for
 all Table I Parameter of

ARM 17.50.708 + dichlorodifluoromethane

→ Note on Energy Labs Chain of Custody: "Direct Bill to
 MDEQ, C/o Mary Hendrickson, Solid Waste Program"

At the time of preparation of this report, the following data were available for the various parameters listed in Table 1. The data were obtained from the various sources listed in the text.

TABLE 1
LIST OF PARAMETERS AND THEIR UNITS

Parameter	Unit	Value	Source
Flow rate	m ³ /s	0.01	Flowmeter
Temperature	°C	20	Thermometer
Pressure	atm	1.0	Pressure gauge
Concentration	g/l	0.1	Chemical analysis
pH	-	7.0	pH meter
Viscosity	poise	0.01	Viscometer
Surface tension	dyne/cm	0.02	Surface tension balance
Diffusion coefficient	cm ² /s	0.001	Diffusion cell
Reaction rate	mol/l·s	0.001	Reaction vessel
Equilibrium constant	-	1.0	Equilibrium cell
Activation energy	cal/mol	1000	Arrhenius plot
Heat of reaction	cal/mol	1000	Calorimeter
Heat capacity	cal/mol·°C	1.0	Heat capacity cell
Thermal conductivity	cal/cm·s·°C	0.01	Thermal conductivity cell
Electrical conductivity	ohm ⁻¹ ·cm	0.01	Electrical conductivity cell
Dielectric constant	-	1.0	Dielectric constant cell
Refractive index	-	1.0	Refractive index cell
Optical density	-	0.01	Optical density cell
Sound velocity	cm/s	1000	Sound velocity cell
Acoustic impedance	g/cm ² ·s	0.01	Acoustic impedance cell
Thermal expansion coefficient	1/°C	0.01	Thermal expansion cell
Thermal contraction coefficient	1/°C	0.01	Thermal contraction cell
Thermal stability	-	1.0	Thermal stability cell
Thermal shock resistance	-	1.0	Thermal shock resistance cell
Thermal fatigue resistance	-	1.0	Thermal fatigue resistance cell
Thermal aging resistance	-	1.0	Thermal aging resistance cell
Thermal creep resistance	-	1.0	Thermal creep resistance cell
Thermal oxidation resistance	-	1.0	Thermal oxidation resistance cell
Thermal corrosion resistance	-	1.0	Thermal corrosion resistance cell
Thermal shock resistance	-	1.0	Thermal shock resistance cell
Thermal fatigue resistance	-	1.0	Thermal fatigue resistance cell
Thermal aging resistance	-	1.0	Thermal aging resistance cell
Thermal creep resistance	-	1.0	Thermal creep resistance cell
Thermal oxidation resistance	-	1.0	Thermal oxidation resistance cell
Thermal corrosion resistance	-	1.0	Thermal corrosion resistance cell

* Values are given for the various parameters listed in Table 1. The data were obtained from the various sources listed in the text.

Note on Units: The units for the various parameters listed in Table 1 are given in the text. The units for the various parameters listed in Table 1 are given in the text.

TABLE (continued)
GROUNDWATER DETECTION MONITORING PARAMETER LIST
Mr. M [REDACTED] SANITARY LANDFILL

2 of 3

Parameter	Method ^m	MDL ^a (µg/l)	PQL ^b (µg/l)	Category ^a	State ^m	Federal ^m
Acetone	8260	6.3	40	5	x	x
Acrylonitrile	8260	7.2	20	5	x	x
Benzene	8260	0.46	2	5	x	x
Bromochloromethane	8260	0.21	1	5	x	x
Bromodichloromethane	8260	0.16	1	5	x	x
cis-1,3-Dichloropropene	8260	0.26	1	5	x	x
trans-1,3-Dichloropropene	8260	0.23	1	5	x	x
Ethylbenzene	8260	0.15	1	5	x	x
Bromoform	8260	0.30	1	5	x	x
Bromomethane	8260	0.47	2	5	x	x
2-Butanone	8260	6.4	50	5	x	x
Carbon Disulfide	8260	2.8	100	5	x	x
Carbon Tetrachloride	8260	0.37	2	5	x	x
Chlorobenzene	8260	0.22	1	5	x	x
Chlorodibromomethane	8260	0.19	1	5	x	x
Chloroethane	8260	0.26	1	5	x	x
Chloroform	8260	0.20	1	5	x	x
Chloromethane	8260	0.34	1	5	x	x
1,2-Dibromo-3-chloropropane	8260	2.6	15	5	x	x
Dibromomethane	8260	0.40	2	5	x	x
1,2-Dibromoethane	8260	0.23	1	5	x	x
trans-1,4-Dichloro-2-butene	8260	0.66	5	5	x	x
1,2-Dichlorobenzene	8260	0.15	1	5	x	x
1,4-Dichlorobenzene	8260	0.14	1	5	x	x
Dichlorodifluoromethane	8260	0.33	1	5	x	x
1,1-Dichloroethane	8260	0.21	1	5	x	x
1,1-Dichloroethene	8260	0.26	1	5	x	x
cis-1,2-Dichloroethene	8260	0.15	1	5	x	x
trans-1,2-Dichloroethene	8260	0.26	1	5	x	x
1,2-Dichloroethane	8260	0.30	2	5	x	x

TABLE (continued)
GROUNDWATER DETECTION MONITORING PARAMETER LIST
SANITARY LANDFILL

Mr. M

3 of 3

Parameter	Method ^m	MDL ^a (µg/l)	PQL ^a (µg/l)	Category ^a	State ^m	Federal ^m
1,2-Dichloropropane	8260	0.20	1	5	x	x
2-Hexanone	8260	5.20	10	5	x	x
Iodomethane	8260	1.8	10	5	x	x
Methylene Chloride	8260	1.0	5	5	x	x
4-Methyl-2-pentanone	8260	4.4	10	5	x	x
Styrene	8260	0.19	1	5	x	x
1,1,1,2-Tetrachloroethane	8260	0.21	1	5	x	x
1,1,2,2-Tetrachloroethane	8260	0.34	1	5	x	x
Tetrachloroethene	8260	0.16	1	5	x	x
Toluene	8260	0.24	1	5	x	x
1,1,1-Trichloroethane	8260	0.16	1	5	x	x
1,1,2-Trichloroethane	8260	0.69	1	5	x	x
Trichloroethene	8260	0.17	1	5	x	x
Trichlorofluoromethane	8260	0.09	1	5	x	x
1,2,3-Trichloropropane	8260	0.17	1	5	x	x
Vinyl acetate	8260	2.30	10	5	x	x
Vinyl Chloride	8260	0.27	1	5	x	x
Xylenes	8260	0.51	1	5	x	x

- (1) "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," SW-846, third edition, November 1986, as revised December, 1987, unless otherwise noted.
- (2) MDL = "Method Detection Limit" as defined in 40 CFR Part 136.
- (3) PQL = "Practical Quantitation Limit" as defined in 40 CFR Part 258.
- (4) Parameter category as listed in Table 3.
- (5) State required parameters per ARM 16.14.706, November, 1993.
- (6) Federally required parameters per 40 CFR 258, Subtitle D, Appendix I, October 9, 1991.
- (7) EPA Manual 600/4-79-020 "Methods for Chemical Analysis of Water and Waste."
- Note: Dissolved metals will be analyzed per ARM 16.14.706(9).



Energy Laboratories Inc

Sample Receipt Checklist

Client Name MT DEQ

Date and Time Received: 11/14/2006 8:17:00 AM

Work Order Number H06110112

Received by rit

Login completed by: Roxanne L. Tubbs

11/14/2006 8:17:00

Reviewed by

Signature

Date

Initials

Date

Carrier name Hand Del

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	3.5 °C
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Adjusted? _____ Checked by _____

Contact and Corrective Action Comments:

None

